

Supporting Information

Facile synthesis of novel magnetic silica nanoparticles functionalized with layer-by-layer detonation nanodiamonds for secretome study of human hepatoma cell

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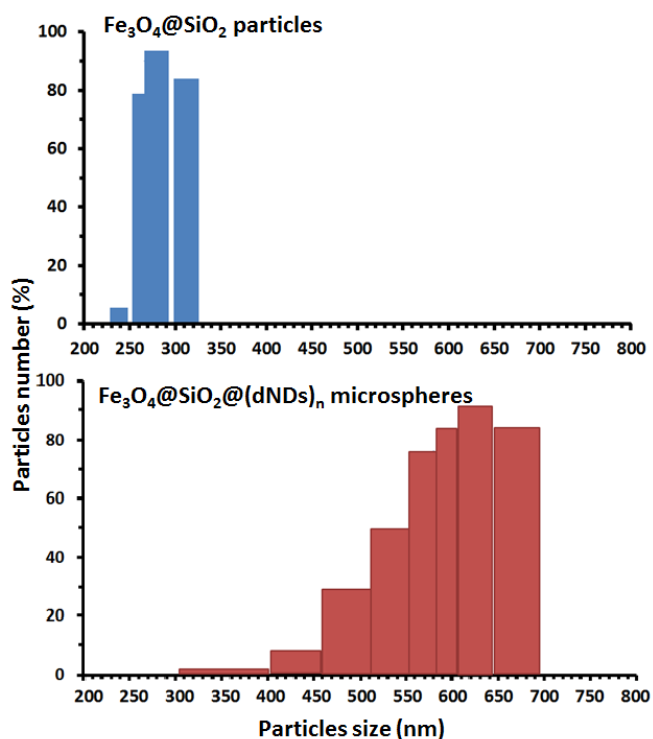


Fig. S1 The histogram presents the hydrodynamic mean diameters for two sets of samples, i.e., top panel, Fe₃O₄@SiO₂ particles with an average diameter of 290±35 nm, and bottom panel, Fe₃O₄@SiO₂@(dNDs)_n microspheres with an average diameter of 619±80nm.

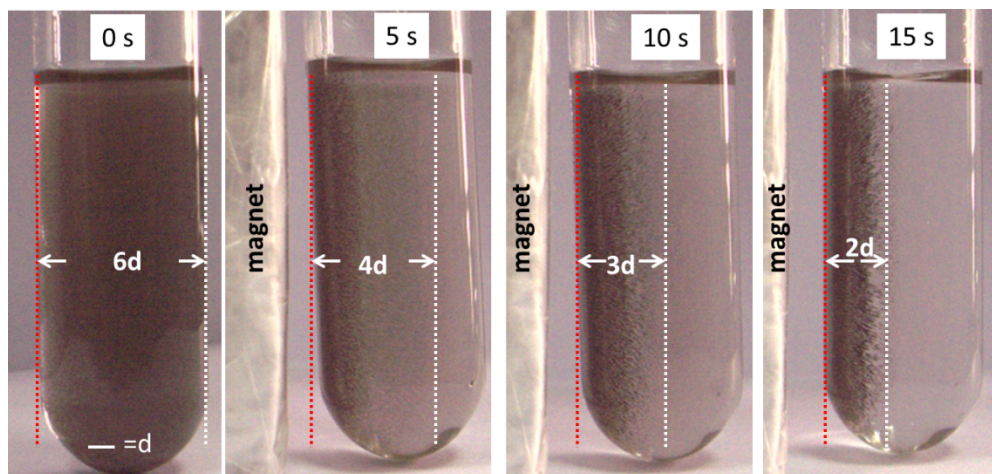


Fig. S2. Consecutive photographs of the separation process of $\text{Fe}_3\text{O}_4@\text{SiO}_2@(\text{dNDs})_n$ microspheres in water (0.1 wt. %) under applied magnetic field (2000Gs), indicating fast response of magnetic microspheres in reply to magnetic field.

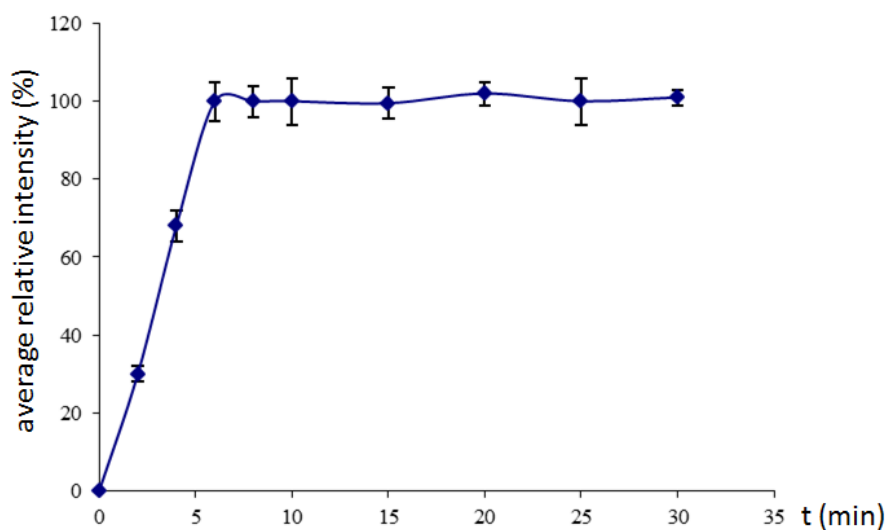


Fig. S3. Absorption isotherm of the standard peptide Lambinin B (CDPGYLGSR, Mr 966.43) enriched by $\text{Fe}_3\text{O}_4@\text{SiO}_2@(\text{dNDs})_n$ particles (20 μg).

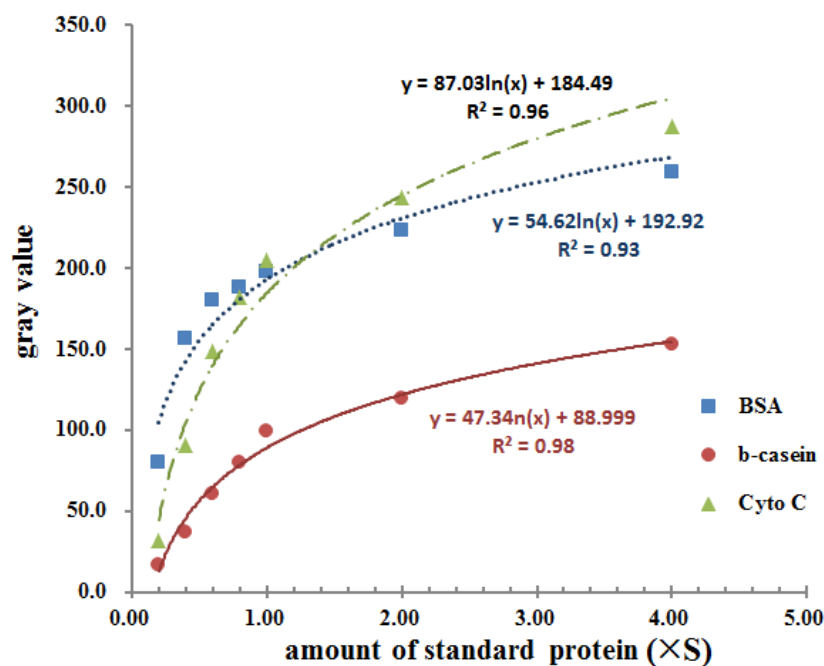


Fig. S4. The amount of each standard protein versus the gray value of each lane in SDS-PAGE. The quantitative standard curve of each protein is $y=54.62\ln(x)+192.92$, $R^2=0.93$ (BSA, MW= 69248Da, pI=5.83), $y=47.34\ln(x)+88.99$, $R^2=0.98$ (β -casein, MW=23583Da, pI=5.13) and $y=87.03\ln(x)+184.49$, $R^2=0.96$ (Cyto C, MW=11832Da, pI= 9.59), respectively.

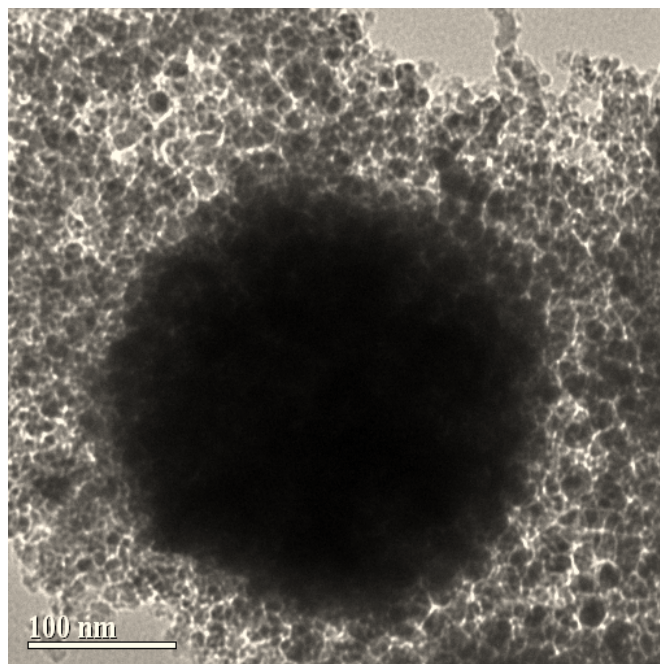


Fig. S5. TEM image of core-shell structured magnetic silica microsphere after regeneration of proteins in sample.

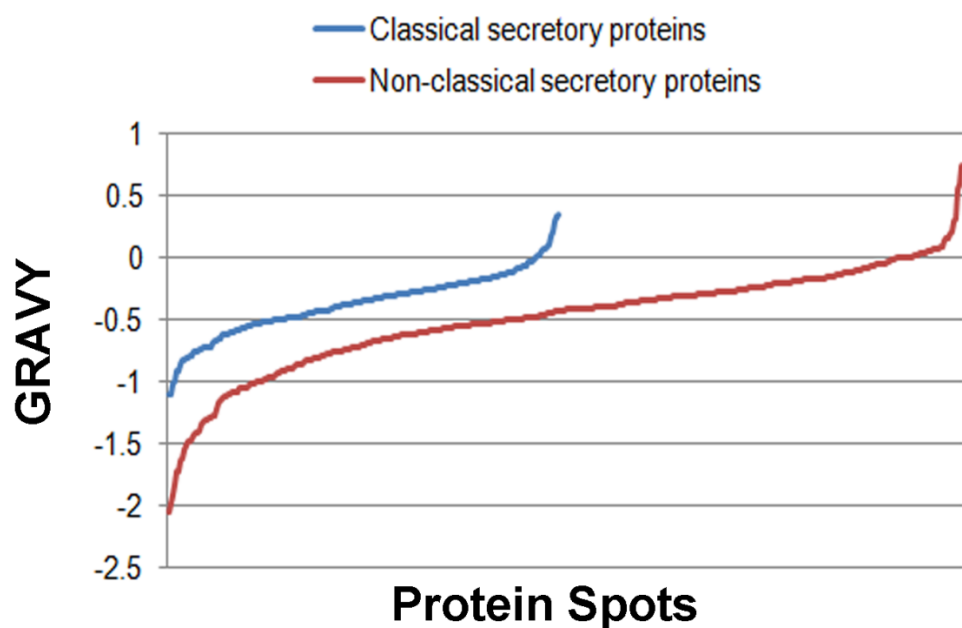


Fig. S6 Distribution of G GRAVY (the grand average of hydropathicity) of the secreted proteins in Huh-7 cells pretreated by $\text{Fe}_3\text{O}_4@\text{SiO}_2@(\text{dNDs})_n$ particles.

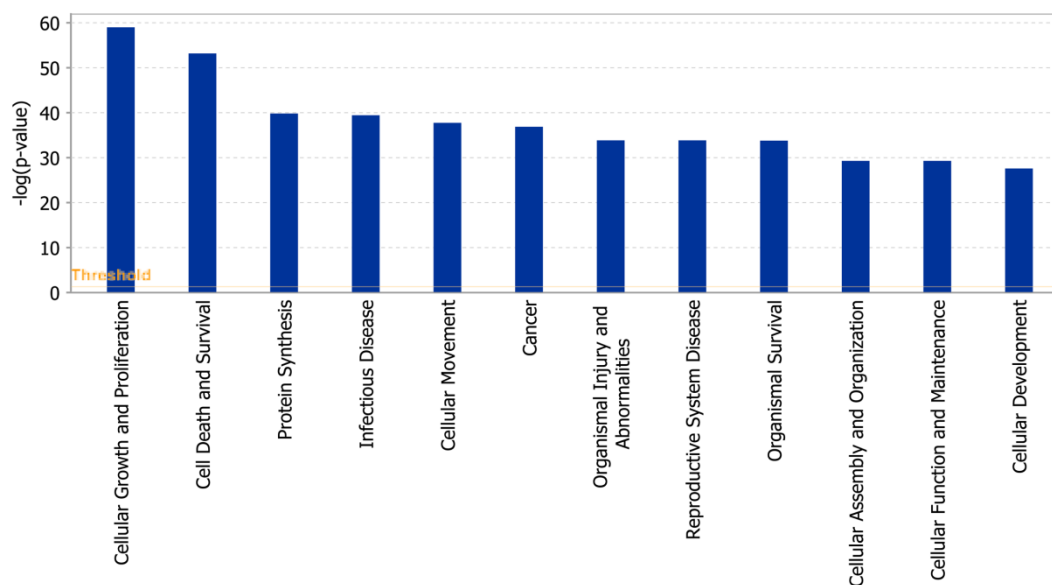


Fig. S7. Distribution of molecule functions for the identified proteins in the culture supernatants of human hepatoma cells enriched by $\text{Fe}_3\text{O}_4@\text{SiO}_2@(\text{dNDs})_n$ microspheres.

Table S1. The detailed information on all proteins identified in the culture supernatants of human hepatoma cells enriched by Fe₃O₄@SiO₂-(dNDs)_n microspheres.

No.	Swissprot accession names	Entry	MW	pI	GRAVY
Classical secretory proteins					
1	Deoxyribonuclease-2-alpha	O00115	39556	8.3	-0.261
2	Tumor necrosis factor receptor superfamily member 11B	O00300	45996	8.66	-0.483
3	Agrin	O00468	217092	6.01	-0.258
4	Nucleolar protein 56	O00567	66009	9.24	-0.471
5	Ribonuclease T2	O00584	29462	6.66	-0.582
6	Protein CYR61	O00622	41998	8.64	-0.381
7	Tripeptidyl-peptidase 1	O14773	61210	6.01	-0.179
8	Plexin-B2	O15031	204997	5.85	-0.309
9	Semaphorin-3E	O15041	89170	7.2	-0.489
10	Laminin subunit alpha-5	O15230	399479	6.66	-0.274
11	Matrilin-3	O15232	52783	6.25	-0.351
12	Cochlin	O43405	59445	8.18	-0.025
13	Calumenin	O43852	37084	4.47	-1.004
14	EGF-like repeat and discoidin I-like domain-containing protein 3	O43854	53730	7.08	-0.49
15	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	O60568	84731	5.69	-0.422
16	Zymogen granule membrane protein 16	O60844	18165	9.43	-0.083
17	Stanniocalcin-2	O76061	33227	6.93	-0.518
18	Dickkopf-related protein 1	O94907	28653	8.8	-0.432
19	Peptidyl-prolyl cis-trans isomerase FKBP9	O95302	63044	4.91	-0.196
20	Follistatin-related protein 3	O95633	27645	6.37	-0.197
21	Ceruloplasmin	P00450	122128	5.44	-0.536
22	Aspartate aminotransferase, mitochondrial	P00505	47487	9.14	-0.206
23	Prothrombin	P00734	69992	5.64	-0.539
24	Complement C1r subcomponent	P00736	80067	5.82	-0.51
25	Haptoglobin-related protein	P00739	39005	6.63	-0.307
26	Pancreatic secretory trypsin inhibitor	P00995	8501	7.55	-0.103
27	Alpha-1-antitrypsin	P01009	46707	5.37	-0.183
28	Angiotensinogen	P01019	53121	5.87	0.065

29	Alpha-2-macroglobulin	P01023	163188	6.03	-0.195
30	Complement C3	P01024	187030	6.02	-0.32
31	Complement C5	P01031	188186	6.11	-0.176
32	Metalloproteinase inhibitor 1	P01033	23156	8.46	-0.02
33	Kininogen-1	P01042	71912	6.34	-0.757
34	Platelet-derived growth factor subunit B	P01127	27266	9.39	-0.543
35	Transforming growth factor beta-1	P01137	44313	8.83	-0.311
36	Insulin-like growth factor II	P01344	20127	9.5	-0.275
37	Collagen alpha-1(I) chain	P02452	138857	5.6	-0.788
38	Apolipoprotein A-I	P02647	30759	5.56	-0.717
39	Apolipoprotein E	P02649	36132	5.65	-0.596
40	Apolipoprotein A-II	P02652	11168	6.26	-0.084
41	Apolipoprotein C-II	P02655	11277	4.72	-0.169
42	Fibrinogen alpha chain	P02671	94914	5.7	-0.822
43	Fibrinogen beta chain	P02675	55892	8.54	-0.758
44	Beta-2-glycoprotein 1	P02749	38273	8.34	-0.274
45	Leucine-rich alpha-2-glycoprotein	P02750	38154	6.45	-0.144
46	Fibronectin	P02751	262460	5.46	-0.543
47	Retinol-binding protein 4	P02753	22995	5.76	-0.433
48	Protein AMBP	P02760	38974	5.95	-0.299
49	Alpha-1-acid glycoprotein 1	P02763	23497	4.93	-0.536
50	Alpha-2-HS-glycoprotein	P02765	39300	5.43	-0.196
51	Serum albumin	P02768	69321	5.92	-0.354
52	Alpha-fetoprotein	P02771	68633	5.48	-0.248
53	Vitamin D-binding protein	P02774	52929	5.4	-0.346
54	Serotransferrin	P02787	77014	6.81	-0.336
55	Lactotransferrin	P02788	78132	8.5	-0.337
56	Vitronectin	P04004	54271	5.55	-0.723
57	Glucosylceramidase	P04062	59678	7.29	-0.139
58	Amyloid beta A4 protein	P05067	86888	4.73	-0.584
59	Plasminogen activator inhibitor 1	P05121	45031	6.68	-0.059
60	Plasma serine protease inhibitor	P05154	45646	9.3	-0.115

61	Plasma protease C1 inhibitor	P05155	55119	6.09	-0.125
62	Complement factor I	P05156	65707	7.72	-0.321
63	Heparin cofactor 2	P05546	57034	6.41	-0.236
64	Collagen alpha-2(V) chain	P05997	144821	6.07	-0.813
65	Alpha-galactosidase A	P06280	48735	5.35	-0.25
66	Gelsolin	P06396	85644	5.9	-0.415
67	Apolipoprotein A-IV	P06727	45371	5.28	-0.796
68	Vitamin K-dependent protein S	P07225	75074	5.48	-0.295
69	Protein disulfide-isomerase	P07237	57081	4.76	-0.431
70	Cathepsin D	P07339	44524	6.1	0.023
71	Trypsin-1	P07477	26541	6.08	-0.152
72	Prosaposin	P07602	58074	5.06	-0.064
73	Cathepsin L1	P07711	37540	5.31	-0.573
74	Cathepsin B	P07858	37797	5.88	-0.394
75	Laminin subunit beta-1	P07942	197909	4.83	-0.469
76	Thrombospondin-1	P07996	129300	4.71	-0.719
77	Collagen alpha-2(I) chain	P08123	129235	9.08	-0.648
78	Corticosteroid-binding globulin	P08185	45112	5.64	0.112
79	Extracellular superoxide dismutase [Cu-Zn]	P08294	25835	6.14	-0.37
80	Inhibin beta A chain	P08476	47412	8.3	-0.504
81	Monocyte differentiation antigen CD14	P08571	40051	5.84	0.083
82	Complement factor H	P08603	139005	6.21	-0.603
83	Alpha-2-antiplasmin	P08697	54531	5.87	-0.124
84	Insulin-like growth factor-binding protein 1	P08833	27885	5.11	-0.179
85	Matrilysin	P09237	29658	7.74	-0.369
86	Growth-regulated alpha protein	P09341	11294	10.46	0.079
87	SPARC	P09486	34610	4.73	-0.471
88	Inhibin beta B chain	P09529	45093	8.35	-0.3
89	Pro-cathepsin H	P09668	37369	8.35	-0.278
90	Complement C1s subcomponent	P09871	76635	4.86	-0.371
91	Complement C4-A	P0C0L4	192664	6.65	-0.252
92	Osteopontin	P10451	35401	4.37	-1.1

93	Lysosomal protective protein	P10619	54431	6.16	-0.243
94	Tissue factor pathway inhibitor	P10646	34992	8.61	-0.599
95	Clusterin	P10909	52461	5.89	-0.665
96	78 kDa glucose-regulated protein	P11021	72288	5.07	-0.487
97	Laminin subunit gamma-1	P11047	177489	5.01	-0.615
98	Collagen alpha-1(XI) chain	P12107	180954	5.06	-0.859
99	Collagen alpha-1(VI) chain	P12109	108462	5.26	-0.525
100	Bone morphogenetic protein 4	P12644	46526	8.97	-0.55
101	Gamma-interferon-inducible lysosomal thiol reductase	P13284	27945	4.79	0.055
102	Versican core protein	P13611	372590	4.43	-0.516
103	Glucosidase 2 subunit beta	P14314	59388	4.33	-0.91
104	Farnesyl pyrophosphate synthase	P14324	48245	5.83	-0.237
105	Nidogen-1	P14543	136291	5.12	-0.378
106	Endoplasmin	P14625	92411	4.76	-0.713
107	Carboxypeptidase N catalytic chain	P15169	52253	6.86	-0.476
108	Arylsulfatase A	P15289	53554	5.65	0.012
109	Beta-galactoside alpha-2,6-sialyltransferase 1	P15907	46575	9.13	-0.437
110	Metalloproteinase inhibitor 2	P16035	24383	7.45	-0.197
111	Beta-galactosidase	P16278	76027	6.1	-0.189
112	Natriuretic peptides B	P16860	14717	10.34	-0.486
113	Carboxypeptidase E	P16870	53117	5.03	-0.449
114	Ganglioside GM2 activator	P17900	20825	5.17	0.202
115	Insulin-like growth factor-binding protein 3	P17936	31654	9.03	-0.535
116	Inter-alpha-trypsin inhibitor heavy chain H2	P19823	106397	6.4	-0.293
117	C-X-C motif chemokine 3	P19876	11335	10.4	0.171
118	Ephrin-A1	P20827	23772	6.34	-0.478
119	N(4)-(beta-N-acetylglucosaminy)-L-asparaginase	P20933	37184	5.86	-0.151
120	Iduronate 2-sulfatase	P22304	61834	5.21	-0.313
121	Fibroblast growth factor receptor 4	P22455	87899	6.36	-0.179
122	Insulin-like growth factor-binding protein 4	P22692	27915	6.81	-0.493
123	Fibulin-1	P23142	77162	5.07	-0.266
124	Insulin-like growth factor-binding protein 5	P24593	30550	8.58	-0.623

125	Calreticulin	P27797	48112	4.29	-1.104
126	Connective tissue growth factor	P29279	38065	8.43	-0.213
127	Endoplasmic reticulum resident protein 29	P30040	28975	6.77	-0.297
128	Protein disulfide-isomerase A3	P30101	56747	5.98	-0.506
129	Neurotensin/neuromedin N	P30990	19782	6.6	-0.365
130	Glypican-1	P35052	61641	7.07	-0.346
131	ADM	P35318	20408	10.84	-0.659
132	Serum amyloid A-4 protein	P35542	14737	9.17	-0.519
133	Fibrillin-1	P35555	312022	4.81	-0.422
134	Pigment epithelium-derived factor	P36955	46283	5.97	-0.164
135	Glycine--tRNA ligase	P41250	83113	6.61	-0.296
136	C-X-C motif chemokine 5	P42830	11965	9.17	0.346
137	Biotinidase	P43251	61093	5.81	-0.032
138	Carboxypeptidase A2	P48052	47001	5.68	-0.221
139	Mannan-binding lectin serine protease 1	P48740	79195	5.29	-0.415
140	Cartilage oligomeric matrix protein	P49747	82808	4.36	-0.73
141	Palmitoyl-protein thioesterase 1	P50897	34171	6.07	-0.084
142	Glypican-3	P51654	65520	5.96	-0.175
143	Lumican	P51884	38405	6.16	-0.276
144	Dipeptidyl peptidase 1	P53634	51820	6.54	-0.257
145	Alpha-N-acetylglucosaminidase	P54802	82214	6.2	-0.039
146	Mesencephalic astrocyte-derived neurotrophic factor	P55145	20687	8.93	-0.437
147	Laminin subunit beta-2	P55268	195854	6.07	-0.461
148	Inhibin beta E chain	P58166	38537	9.49	-0.239
149	Beta-2-microglobulin	P61769	13706	6.06	-0.376
150	C-C motif chemokine 20 OS	P78556	10755	9.21	0.294
151	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	Q02809	83497	6.47	-0.358
152	Nucleobindin-1	Q02818	53846	5.15	-1.009
153	Fibromodulin	Q06828	43152	5.66	-0.431
154	Complement component 1 Q subcomponent-binding protein, mitochondrial	Q07021	31343	4.74	-0.461
155	Galectin-3-binding protein	Q08380	65289	5.13	-0.135
156	Fibrinogen-like protein 1	Q08830	36357	5.58	-0.719

157	EGF-containing fibulin-like extracellular matrix protein 1	Q12805	54604	4.95	-0.346
158	Follistatin-related protein 1	Q12841	34963	5.39	-0.617
159	Contactin-1	Q12860	113249	5.62	-0.307
160	Peroxiredoxin-4	Q13162	30521	5.86	-0.218
161	Acid ceramidase	Q13510	44631	7.52	-0.111
162	Laminin subunit gamma-2	Q13753	130892	5.83	-0.58
163	Nidogen-2	Q14112	151158	5.09	-0.496
164	LDLR chaperone MESD	Q14696	26060	7.6	-0.815
165	Latent-transforming growth factor beta-binding protein 1	Q14766	186673	5.63	-0.493
166	Nuclear mitotic apparatus protein 1	Q14980	238115	5.63	-0.916
167	Protein disulfide-isomerase A6	Q15084	48091	4.95	-0.275
168	Nodal modulator 1	Q15155	134239	5.54	-0.16
169	Platelet-derived growth factor receptor-like protein	Q15198	41835	8.74	-0.327
170	Nicotinate-nucleotide pyrophosphorylase [carboxylating]	Q15274	30826	5.81	0.326
171	von Willebrand factor A domain-containing protein 1	Q6PCB0	46775	7.18	-0.128
172	Cysteine-rich with EGF-like domain protein 2	Q6UXH1	38166	4.5	-0.479
173	Collagen and calcium-binding EGF domain-containing protein 1	Q6UXH8	44074	7.74	-0.752
174	Coiled-coil domain-containing protein 80	Q76M96	108106	9.72	-0.821
175	Neuronal growth regulator 1	Q7Z3B1	38694	5.84	-0.07
176	Latent-transforming growth factor beta-binding protein 4	Q8N2S1	173320	5.27	-0.511
177	Sulfatase-modifying factor 2	Q8NBJ7	33822	7.78	-0.56
178	Proprotein convertase subtilisin/kexin type 9	Q8NBP7	74239	6.14	-0.14
179	Thioredoxin domain-containing protein 5	Q8NBS9	47599	5.63	-0.4
180	Acid sphingomyelinase-like phosphodiesterase 3a	Q92484	51228	5.88	-0.219
181	Probable ATP-dependent RNA helicase DDX17	Q92841	80222	8.53	-0.615
182	Legumain	Q99538	49379	6.07	-0.4
183	Semaphorin-3C	Q99985	85153	8.96	-0.43
184	Growth/differentiation factor 15	Q99988	34119	9.79	-0.363
185	Endoplasmic reticulum resident protein 44	Q9BS26	46941	5.09	-0.401
186	Plasma alpha-L-fucosidase	Q9BTY2	54032	5.84	-0.296
187	Spondin-2	Q9BUD6	35824	5.35	-0.228
188	ADP-ribose pyrophosphatase, mitochondrial	Q9BW91	39101	8.26	-0.677

189	Chitinase domain-containing protein 1	Q9BWS9	44912	8.74	-0.255
190	Brain-specific serine protease 4	Q9GZN4	33710	7.55	-0.001
191	Probable serine carboxypeptidase CPVL	Q9H3G5	54129	5.39	-0.209
192	SPARC-related modular calcium-binding protein 1	Q9H4F8	48132	8.59	-0.679
193	GrpE protein homolog 1, mitochondrial	Q9HAV7	24264	8.24	-0.505
194	Diablo homolog, mitochondrial	Q9NR28	27114	5.68	-0.329
195	tRNA (guanine(26)-N(2))-dimethyltransferase	Q9NXH9	72188	7.77	-0.335
196	Endoplasmic reticulum aminopeptidase 1	Q9NZ08	107166	6.02	-0.217
197	Dickkopf-related protein 3	Q9UBP4	38365	4.59	-0.333
198	Cathepsin F	Q9UBX1	53332	8.52	-0.284
199	Dipeptidyl peptidase 2	Q9UHL4	54307	5.91	-0.175
200	Protein Z-dependent protease inhibitor	Q9UK55	50674	8.28	-0.231
201	Protein canopy homolog 2	Q9Y2B0	20639	4.81	-0.441
202	Angiopoietin-related protein 3	Q9Y5C1	53604	6.24	-0.739
Non-classical secretory proteins					
203	Puromycin-sensitive aminopeptidase-like protein	A6NEC2	53713	5.17	-0.157
204	ATP-dependent RNA helicase DDX39A	O00148	49098	5.46	-0.298
205	Cytosolic acyl coenzyme A thioester hydrolase	O00154	41769	8.85	-0.303
206	Small acidic protein	O00193	20320	4.57	-1.458
207	26S proteasome non-ATPase regulatory subunit 9	O00233	24667	6.46	-0.62
208	Interferon-related developmental regulator 1	O00458	50236	6.81	-0.332
209	High mobility group nucleosome-binding domain-containing protein 4	O00479	9533	10.48	-1.724
210	Ladinin-1	O00515	57097	9.67	-1.013
211	Lysosomal alpha-mannosidase	O00754	113672	6.84	-0.297
212	Ubiquitin domain-containing protein UBFD1	O14562	33361	5.55	-0.521
213	Copper chaperone for superoxide dismutase	O14618	29022	5.32	-0.305
214	Programmed cell death protein 5	O14737	14276	5.77	-0.902
215	PDZ domain-containing protein GIPC1	O14908	36027	5.9	-0.329
216	Actin-related protein 2/3 complex subunit 3	O15145	20533	8.78	-0.605
217	Prefoldin subunit 6	O15212	14574	8.83	-0.717
218	Eukaryotic translation initiation factor 3 subunit H	O15372	39905	6.09	-0.553
219	RING finger protein 113A	O15541	38763	5.51	-0.999

220	Density-regulated protein	O43583	22078	5.21	-0.708
221	Trafficking protein particle complex subunit 3	O43617	20261	4.88	-0.23
222	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	O43678	10915	9.62	-0.311
223	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	O43765	34042	4.81	-0.49
224	Sjogren syndrome nuclear autoantigen 1	O43805	13588	5.37	-0.94
225	A-kinase anchor protein 8	O43823	76061	5.03	-1.003
226	Sjogren syndrome/scleroderma autoantigen 1	O60232	21461	5.12	-0.366
227	Putative nucleoside diphosphate kinase	O60361	15519	8.76	-0.277
228	Perilipin-3	O60664	47046	5.3	-0.385
229	Sorting nexin-2	O60749	58435	5.04	-0.535
230	Polyglutamine-binding protein 1	O60828	30454	5.92	-1.511
231	WD repeat-containing protein 1	O75083	66152	6.17	-0.238
232	Vacuolar protein sorting-associated protein 4B	O75351	49271	6.75	-0.552
233	39S ribosomal protein L33, mitochondrial	O75394	7614	10.81	-0.089
234	PC4 and SFRS1-interacting protein	O75475	60067	9.15	-1.415
235	Eukaryotic translation initiation factor 3 subunit G	O75821	35589	5.87	-0.808
236	Isocitrate dehydrogenase [NADP] cytoplasmic	O75874	46630	6.53	-0.392
237	Glutaredoxin-3	O76003	37408	5.31	-0.257
238	Decapping and exoribonuclease protein	O77932	44900	7.6	-0.602
239	PHD finger protein 14	O94880	99991	5.22	-1.005
240	Gamma-aminobutyric acid receptor-associated protein	O95166	13909	8.73	-0.534
241	6-phosphogluconolactonase	O95336	27530	5.7	0.159
242	Phosphoacetylglucosamine mutase	O95394	59814	5.84	-0.282
243	U6 snRNA-associated Sm-like protein LSm8	O95777	10396	4.34	0.066
244	BAG family molecular chaperone regulator 2	O95816	23757	6.25	-0.592
245	N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	O95865	29625	5.66	0.007
246	L-lactate dehydrogenase A chain	P00338	36665	8.44	-0.006
247	Retinal dehydrogenase 1	P00352	54827	6.3	-0.163
248	Glutathione reductase, mitochondrial	P00390	56221	8.74	-0.049
249	Superoxide dismutase [Cu-Zn]	P00441	15926	5.7	-0.344
250	Purine nucleoside phosphorylase	P00491	32097	6.45	-0.166
251	Adenylate kinase isoenzyme 1	P00568	21621	8.73	-0.482

252	Transferrin receptor protein 1	P02786	84818	6.18	-0.243
253	Ferritin heavy chain	P02794	21212	5.3	-0.773
254	Annexin A1	P04083	38690	6.57	-0.419
255	Superoxide dismutase [Mn], mitochondrial	P04179	24707	8.35	-0.418
256	Tubulin beta-4A chain	P04350	49554	4.78	-0.321
257	Heat shock protein beta-1	P04792	22768	5.98	-0.567
258	Histone H2A type 1-B/E	P04908	14127	11.05	-0.478
259	Sodium/potassium-transporting ATPase subunit alpha-1	P05023	112824	5.33	0.011
260	Ubiquitin-like protein ISG15	P05161	17876	6.84	-0.139
261	Non-histone chromosomal protein HMG-17	P05204	9387	10	-1.72
262	Keratin, type I cytoskeletal 18	P05783	48029	5.34	-0.556
263	Myosin light chain 1/3, skeletal muscle isoform	P05976	21132	4.97	-0.421
264	ATP synthase subunit beta, mitochondrial	P06576	56525	5.26	0.018
265	Protein S100-A6	P06703	10173	5.33	-0.289
266	Alpha-enolase	P06733	47139	7.01	-0.221
267	Nucleoph min	P06748	32555	4.64	-0.97
268	Tropomyosin alpha-3 chain	P06753	32930	4.68	-1.04
269	Annexin A2	P07355	38580	7.57	-0.524
270	Fumarate hydratase, mitochondrial	P07954	54602	8.85	-0.074
271	4F2 cell-surface antigen heavy chain	P08195	67952	4.89	-0.147
272	Vimentin	P08670	53619	5.06	-0.823
273	Keratin, type I cytoskeletal 19	P08727	44079	5.04	-0.531
274	Annexin A5	P08758	35914	4.94	-0.33
275	40S ribosomal protein SA	P08865	32833	4.79	-0.309
276	U1 small nuclear ribonucleoprotein A	P09012	31259	9.83	-0.439
277	Gamma-enolase	P09104	47239	4.91	-0.188
278	Glutathione S-transferase P	P09211	23341	5.43	-0.121
279	Tropomy in alpha-1 chain	P09493	32689	4.69	-1.044
280	Clathrin light chain A	P09496	27060	4.43	-0.734
281	Dihydrolipoyl dehydrogenase, mitochondrial	P09622	54143	7.95	-0.035
282	Ubiquitin carboxyl-terminal hydrolase isozyme L1	P09936	24808	5.33	-0.296
283	Proliferating cell nuclear antigen	P12004	28750	4.57	-0.095

284	Ribonuclease inhibitor	P13489	49941	4.71	0.058
285	Sodium/potassium-transporting ATPase subunit alpha-3	P13637	111677	5.22	-0.017
286	Translationally-controlled tumor protein	P13693	19583	4.84	-0.427
287	Acylamino-acid-releasing enzyme	P13798	81173	5.29	-0.146
288	Macrophage migration inhibitory factor	P14174	12468	7.74	-0.002
289	G2/mitotic-specific cyclin-B1	P14635	48306	7.09	-0.239
290	Myosin light chain 6B	P14649	22750	5.56	-0.509
291	Phosphoglycerate mutase 2	P15259	28748	8.99	-0.553
292	Ezrin	P15311	69370	5.94	-0.971
293	Ubiquitin carboxyl-terminal hydrolase isozyme L3	P15374	26166	4.84	-0.405
294	NAD(P)H dehydrogenase [quinone] 1	P15559	30848	8.91	-0.187
295	Carbonyl reductase [NADPH] 1	P16152	30356	8.55	-0.211
296	Stathmin	P16949	17292	5.76	-1.311
297	Y-box-binding protein 3	P16989	40066	9.77	-1.112
298	Zinc finger protein 23	P17027	73012	8.49	-0.85
299	Sphingomyelin phosphodiesterase	P17405	69707	6.9	-0.126
300	Probable ATP-dependent RNA helicase DDX5	P17844	69105	9.06	-0.641
301	Galectin-3	P17931	26136	8.57	-0.395
302	T-complex protein 1 subunit alpha	P17987	60306	5.8	-0.038
303	Myosin regulatory light chain 12A	P19105	19781	4.67	-0.827
304	Spermidine synthase	P19623	33803	5.3	-0.202
305	Thymidine phosphorylase	P19971	49924	5.36	0.079
306	Ras-related protein Rab-5A	P20339	23644	8.32	-0.428
307	Cytochrome c oxidase subunit 5A, mitochondrial	P20674	16752	6.3	-0.295
308	Parathymosin	P20962	11523	4.14	-1.969
309	V-type proton ATPase subunit B, brain isoform	P21281	56465	5.57	-0.16
310	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	P22061	24621	6.7	-0.167
311	Trifunctional purine biosynthetic protein adenosine-3	P22102	107699	6.26	0.036
312	Multifunctional protein ADE2	P22234	47049	6.95	-0.202
313	Ubiquitin-like modifier-activating enzyme 1	P22314	117774	5.49	-0.267
314	Transcription elongation factor A protein 1	P23193	33948	8.64	-0.806
315	Adenosylhomocysteinase	P23526	47685	5.92	-0.102

316	Cofilin-1	P23528	18491	8.22	-0.359
317	Eukaryotic translation initiation factor 4B	P23588	69110	5.55	-1.608
318	Elongation factor 1-beta	P24534	24748	4.5	-0.491
319	Low molecular weight phosphotyrosine protein phosphatase	P24666	18031	6.3	-0.492
320	40S ribosomal protein S12	P25398	14505	6.81	-0.187
321	Protein S100-P	P25815	10393	4.75	-0.12
322	DNA-(apurinic or apyrimidinic site) lyase	P27695	35532	8.33	-0.583
323	Proteasome subunit beta type-9	P28065	23250	4.93	0.023
324	Proteasome subunit beta type-6	P28072	25341	4.8	0.034
325	Proteasome subunit beta type-5	P28074	28462	6.43	-0.114
326	Inositol monophosphatase 1	P29218	30169	5.16	0.043
327	Cellular retinoic acid-binding protein 2	P29373	15683	5.42	-0.403
328	Elongation factor 1-delta	P29692	31103	4.9	-0.585
329	Flavin reductase (NADPH)	P30043	22105	7.13	-0.06
330	Thioredoxin-dependent peroxide reductase, mitochondrial	P30048	27675	7.67	0.061
331	60S ribosomal protein L12	P30050	17808	9.48	-0.347
332	UMP-CMP kinase	P30085	22208	5.44	-0.572
333	Phosphatidylethanolamine-binding protein 1	P30086	21044	7.01	-0.652
334	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	P30153	65267	5	0.075
335	Peptidyl-prolyl cis-trans isomerase F, mitochondrial	P30405	22026	9.48	-0.192
336	S-adenosylmethionine synthase isoform type-2	P31153	43633	6.02	-0.28
337	Peroxiredoxin-2	P32119	21878	5.66	-0.199
338	Cystathionine gamma-lyase	P32929	44479	6.21	-0.082
339	Deoxyuridine 5~-triphosphate nucleotidohydrolase, mitochondrial	P33316	26547	9.46	-0.304
340	Catenin beta-1	P35222	85442	5.53	-0.175
341	60S ribosomal protein L22	P35268	14778	9.21	-0.755
342	General transcription factor IIF subunit 1	P35269	58205	7.04	-1.316
343	Sepiapterin reductase	P35270	28031	8.24	0.005
344	Choline kinase alpha	P35790	52215	6.16	-0.442
345	26S protease regulatory subunit 7	P35998	48603	5.71	-0.416
346	Transgelin-2	P37802	22377	8.41	-0.614

347	40S ribosomal protein S19	P39019	16051	10.31	-0.611
348	60S ribosomal protein L3	P39023	46080	10.19	-0.647
349	Malate dehydrogenase, mitochondrial	P40926	35481	8.92	0.143
350	Enoyl-CoA delta isomerase 1, mitochondrial	P42126	32795	8.8	0.035
351	Ran-specific GTPase-activating protein	P43487	23296	5.19	-1.097
352	26S protease regulatory subunit 6B	P43686	47337	5.09	-0.353
353	Chromobox protein homolog 5	P45973	22211	5.71	-1.173
354	Putative ribosomal RNA methyltransferase NOP2	P46087	89247	9.27	-0.808
355	60S ribosomal protein L27a	P46776	16551	11	-0.653
356	40S ribosomal protein S10	P46783	18886	10.15	-0.851
357	F-actin-capping protein subunit beta	P47756	31331	5.36	-0.557
358	60S ribosomal protein L29	P47914	17741	11.66	-1.089
359	Glutamate--cysteine ligase regulatory subunit	P48507	30708	5.69	-0.299
360	Deoxyhypusine synthase	P49366	40945	5.22	-0.21
361	Signal recognition particle 9 kDa protein	P49458	10105	7.77	-0.514
362	Histidine triad nucleotide-binding protein 1	P49773	13793	6.43	-0.175
363	Emerin	P50402	28976	5.29	-0.716
364	Hsc70-interacting protein	P50502	41305	5.18	-0.857
365	Vasodilator-stimulated phosphoprotein	P50552	39805	9.05	-0.748
366	T-complex protein 1 subunit theta	P50990	59583	5.42	-0.068
367	T-complex protein 1 subunit delta	P50991	57888	7.96	0.028
368	Death-associated protein 1	P51397	11158	9.3	-1.213
369	Dual specificity protein phosphatase 3	P51452	20465	7.66	-0.308
370	Low affinity cationic amino acid transporter 2	P52569	71626	7.01	0.559
371	High mobility group protein HMGI-C	P52926	11825	10.63	-1.909
372	Arfaptin-1	P53367	41713	6.24	-0.526
373	ATP-citrate synthase	P53396	120762	6.95	-0.105
374	Activated RNA polymerase II transcriptional coactivator p15	P53999	14386	9.6	-1.094
375	Ubiquitin carboxyl-terminal hydrolase 14	P54578	56033	5.2	-0.467
376	Branched-chain-amino-acid aminotransferase, cytosolic	P54687	42939	5.17	-0.172
377	Adenylate kinase 2, mitochondrial	P54819	26461	7.67	-0.281
378	Alpha-soluble NSF attachment protein	P54920	33211	5.23	-0.347

379	Solute carrier family 12 member 2	P55011	131364	5.98	0.07
380	Tumor protein D52	P55327	24312	4.79	-0.653
381	FAD-linked sulfhydryl oxidase ALR	P55789	23434	4.57	-0.956
382	BH3-interacting domain death agonist	P55957	21981	5.27	-0.488
383	cAMP-regulated phosphoprotein 19	P56211	12315	9.07	-1.083
384	Eukaryotic translation initiation factor 6	P56537	26582	4.56	0.091
385	UPF0769 protein C21orf59	P57076	33203	6.99	-0.693
386	Actin-related protein 2/3 complex subunit 4	P59998	19654	8.53	-0.133
387	Triosephosphate isomerase	P60174	30772	5.65	-0.167
388	Eukaryotic translation initiation factor 3 subunit E	P60228	52187	5.71	-0.327
389	Protein transport protein Sec61 subunit beta	P60468	9968	11.57	-0.141
390	Eukaryotic initiation factor 4A-I	P60842	46125	5.32	-0.261
391	40S ribosomal protein S20	P60866	13364	9.95	-0.396
392	Destrin	P60981	18493	8.06	-0.155
393	Glia maturation factor beta	P60983	16702	5.19	-0.529
394	Ubiquitin-conjugating enzyme E2 D3	P61077	16676	7.67	-0.35
395	NEDD8-conjugating enzyme Ubc12	P61081	20887	7.57	-0.517
396	Ubiquitin-conjugating enzyme E2 N	P61088	17127	6.13	-0.271
397	DNA-directed RNA polymerases I, II, and III subunit RPABC2	P61218	14469	4.11	-0.674
398	40S ribosomal protein S3a	P61247	29926	9.75	-0.618
399	10 kDa heat shock protein, mitochondrial	P61604	10925	8.89	-0.041
400	Prefoldin subunit 3	P61758	22643	6.63	-0.713
401	Small ubiquitin-related modifier 2	P61956	10864	5.32	-0.893
402	Nuclear transport factor 2	P61970	14469	5.1	-0.201
403	Calmodulin	P62158	16827	4.09	-0.654
404	26S protease regulatory subunit 4	P62191	49154	5.87	-0.542
405	40S ribosomal protein S14	P62263	16263	10.07	-0.503
406	40S ribosomal protein S11	P62280	18419	10.31	-0.607
407	Small nuclear ribonucleoprotein E	P62304	10797	9.46	-0.351
408	Small nuclear ribonucleoprotein Sm D3	P62318	13907	10.33	-0.434
409	26S protease regulatory subunit 10B	P62333	44145	7.1	-0.437
410	Ras-related protein Rab-11A	P62491	24378	6.12	-0.421

411	Actin, aortic smooth muscle	P62736	41982	5.23	-0.233
412	GTP-binding nuclear protein Ran	P62826	24408	7.01	-0.266
413	Ubiquitin-conjugating enzyme E2 D2	P62837	16724	7.68	-0.348
414	40S ribosomal protein S28	P62857	7836	10.7	-0.594
415	60S ribosomal protein L10a	P62906	24816	9.94	-0.408
416	Small ubiquitin-related modifier 1	P63165	11550	5.35	-0.916
417	S-phase kinase-associated protein 1	P63208	18646	4.4	-0.717
418	40S ribosomal protein S21	P63220	9106	8.68	-0.284
419	Thymosin beta-10	P63313	5023	5.31	-1.309
420	Nuclease-sensitive element-binding protein 1	P67809	35903	9.87	-1.484
421	Ubiquitin-conjugating enzyme E2 L3	P68036	17850	8.68	-0.755
422	Tubulin beta-4B chain	P68371	49799	4.79	-0.362
423	mRNA export factor	P78406	40942	7.96	-0.475
424	60S ribosomal protein L24	P83731	17768	11.26	-0.926
425	Enhancer of rudimentary homolog	P84090	12251	5.63	-0.666
426	Small EDRK-rich factor 2	P84101	6896	10.44	-2.042
427	Histone H3.3	P84243	15318	11.27	-0.618
428	Putative RNA-binding protein 3	P98179	17160	8.86	-1.089
429	Peptidyl-prolyl cis-trans isomerase FKBP3	Q00688	25161	9.29	-0.76
430	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	Q01581	57257	5.22	-0.279
431	Large neutral amino acids transporter small subunit 1	Q01650	54974	7.9	0.739
432	2-oxoglutarate dehydrogenase, mitochondrial	Q02218	115861	6.4	-0.328
433	UBX domain-containing protein 1	Q04323	33305	5.23	-0.991
434	Single-stranded DNA-binding protein, mitochondrial	Q04837	17249	9.59	-0.561
435	Peroxiredoxin-1	Q06830	22096	8.27	-0.265
436	Apoptosis regulator BAX	Q07812	21171	5.08	-0.055
437	Quinone oxidoreductase	Q08257	35185	8.56	0.057
438	Histone-binding protein RBBP4	Q09028	47626	4.74	-0.56
439	Secernin-1	Q12765	46353	4.66	-0.4
440	Syntaxin-4	Q12846	34159	5.92	-0.611
441	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	Q12904	34331	8.61	-0.516
442	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	Q13011	35793	8.16	-0.043

443	Protein Red	Q13123	65562	6.26	-1.427
444	Chromobox protein homolog 3	Q13185	20798	5.23	-0.967
445	Serine/arginine-rich splicing factor 6	Q13247	39563	11.42	-1.55
446	Eukaryotic translation initiation factor 3 subunit I	Q13347	36479	5.38	-0.416
447	Putative E3 ubiquitin-protein ligase makorin-4	Q13434	52875	5.07	-0.585
448	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	Q13526	18232	8.95	-0.877
449	Eukaryotic translation initiation factor 4E-binding protein 1	Q13541	12572	5.32	-0.701
450	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557	56334	6.82	-0.401
451	SNW domain-containing protein 1	Q13573	61456	9.53	-1.146
452	Bleomycin hydrolase	Q13867	52528	5.87	-0.382
453	Tubulin beta-2A chain	Q13885	49875	4.78	-0.408
454	Coactosin-like protein	Q14019	15935	5.54	-0.414
455	Ribosome biogenesis protein BOP1	Q14137	83577	5.8	-0.498
456	LIM and SH3 domain protein 1	Q14847	29698	6.61	-1.015
457	Importin subunit beta-1	Q14974	97108	4.68	-0.092
458	Prostaglandin E synthase 3	Q15185	18685	4.35	-1.049
459	Serine/threonine-protein phosphatase 2A activator	Q15257	40641	5.63	-0.294
460	Poly(rC)-binding protein 1	Q15365	37474	6.66	-0.106
461	Poly(rC)-binding protein 2	Q15366	38556	6.33	-0.137
462	Transcription elongation factor B polypeptide 2	Q15370	13125	4.73	-0.497
463	Splicing factor 3B subunit 3	Q15393	135492	5.13	-0.167
464	Ras suppressor protein 1	Q15404	31521	8.57	-0.457
465	Calponin-3	Q15417	36391	5.69	-0.681
466	Scaffold attachment factor B1	Q15424	102580	5.32	-1.345
467	Protein transport protein Sec23A	Q15436	86105	6.64	-0.238
468	Regucalcin	Q15493	33231	5.89	-0.31
469	Surfeit locus protein 1	Q15526	33310	9.64	-0.21
470	Na(+)/H(+) exchange regulatory cofactor NHE-RF2	Q15599	37391	7.79	-0.896
471	High mobility group nucleosome-binding domain-containing protein 3	Q15651	10660	9.66	-1.828
472	Ubiquitin-conjugating enzyme E2 variant 2	Q15819	16352	7.79	-0.566
473	Zyxin	Q15942	61238	6.22	-0.63
474	26S proteasome non-ATPase regulatory subunit 5	Q16401	56160	5.35	0.004

475	DNA damage-binding protein 1	Q16531	126887	5.14	-0.111
476	Histone-binding protein RBBP7	Q16576	47790	4.89	-0.528
477	Hydroxyacylglutathione hydrolase, mitochondrial	Q16775	33784	8.35	-0.267
478	Protein LSM12 homolog	Q3MHD2	21687	7.63	-0.474
479	Quinone oxidoreductase PIG3	Q53FA7	35514	6.67	0.008
480	Beta-actin-like protein 2	Q562R1	41976	5.39	-0.19
481	RILP-like protein 1	Q5EBL4	47079	5.13	-0.932
482	T-complex-associated testis-expressed protein 1	Q5JU00	55598	6.31	-0.251
483	Mesenteric estrogen-dependent adipogenesis protein	Q5VYS4	34168	6.06	-0.205
484	Cyclic AMP-responsive element-binding protein 3-like protein 3	Q68CJ9	49047	4.99	-0.417
485	Uncharacterized protein KIAA0895-like	Q68EN5	53412	9.27	-0.547
486	Atlastin-3	Q6DD88	60503	5.43	-0.224
487	Anamorsin	Q6FI81	33561	5.44	-0.299
488	Histone H3.3C	Q6NXT2	15204	11.1	-0.583
489	Endogenous Bornavirus-like nucleoprotein 2	Q6P2I7	30430	9.2	-0.264
490	Putative uncharacterized SMG1-like protein	Q6P435	17641	9.6	-1.283
491	Pyridoxal-dependent decarboxylase domain-containing protein 1	Q6P996	86652	5.25	-0.278
492	TLD domain-containing protein 1	Q6P9B6	50961	5.81	-0.388
493	Protein lin-28 homolog B	Q6ZN17	27066	9.15	-0.89
494	Sulfhydryl oxidase 2	Q6ZRP7	77480	7.64	-0.23
495	Histone H2A.V	Q71UI9	13501	10.58	-0.309
496	Leucine-rich repeat-containing protein 8D	Q7L1W4	98138	7.76	-0.088
497	7SK snRNA methylphosphate capping enzyme	Q7L2J0	74310	9.62	-0.773
498	Ras-related GTP-binding protein A	Q7L523	36543	7.62	-0.248
499	SUZ domain-containing protein 1	Q7Z422	16987	8.92	-1.133
500	Hepatoma-derived growth factor-related protein 2	Q7Z4V5	74272	7.11	-1.391
501	COX assembly mitochondrial protein homolog	Q7Z7K0	12481	8.89	-0.797
502	Coiled-coil domain-containing protein 25	Q86WR0	24463	6.34	-0.906
503	Coiled-coil domain-containing protein 50	Q8IVM0	35800	6.2	-1.274
504	Aldehyde dehydrogenase family 16 member A1	Q8IZ83	85074	6.35	0.006
505	EP300-interacting inhibitor of differentiation 3	Q8N140	38144	5.03	-0.398
506	Olfactory receptor 8H3	Q8N146	35195	8.53	0.581

507	Leucine-rich repeat-containing protein 47	Q8N1G4	63434	8.55	-0.396
508	Uncharacterized protein C6orf223	Q8N319	26097	12.2	-0.663
509	Carbohydrate sulfotransferase 14	Q8NCH0	42969	9.55	-0.294
510	Guanine nucleotide exchange factor for Rab-3A	Q8TBN0	42610	6.07	-0.511
511	D-tyrosyl-tRNA(Tyr) deacylase 1	Q8TEA8	23409	8.35	-0.738
512	Histone-lysine N-methyltransferase SETD7	Q8WTS6	40695	4.5	-0.523
513	Protein BRICK1	Q8WUW1	8739	5.35	-0.547
514	PEST proteolytic signal-containing nuclear protein	Q8WW12	18913	6.86	-1.076
515	Protein spire homolog 2	Q8WWL2	79620	7.75	-0.53
516	Proteasome inhibitor PI31 subunit	Q92530	29798	5.42	-0.408
517	UBX domain-containing protein 4	Q92575	56743	6.1	-0.73
518	Protein FAN	Q92636	104306	5.8	-0.354
519	Lipoma-preferred partner	Q93052	65704	7.18	-0.589
520	Mitochondrial import receptor subunit TOM40B	Q969M1	33895	6.73	-0.047
521	Galactose-3-O-sulfotransferase 3	Q96A11	48925	9.96	-0.301
522	Uncharacterized protein KIAA1143	Q96AT1	17455	5.87	-1.277
523	Protein FAM136A	Q96C01	15631	7.56	-0.429
524	Protein phosphatase 1 regulatory subunit 14B	Q96C90	15901	4.75	-0.633
525	Isochorismatase domain-containing protein 1	Q96CN7	32216	6.96	0.314
526	FLYWCH family member 2	Q96CP2	14555	8.6	-0.659
527	Protein S100-A16	Q96FQ6	11794	6.28	-0.501
528	X antigen family member 2	Q96GT9	12346	5.12	-1.28
529	PDZ and LIM domain protein 5	Q96HC4	63904	8.55	-0.403
530	PRKC apoptosis WT1 regulator protein	Q96IZ0	36545	5.35	-0.961
531	ATP-binding cassette sub-family C member 11	Q96J66	154202	8.39	0.192
532	Histone H2A type 1-A	Q96QV6	14225	10.86	-0.483
533	C-Myc-binding protein	Q99417	11959	5.71	-0.861
534	Tubulin-folding cofactor B	Q99426	27308	5.06	-0.54
535	Copine-1	Q99829	59022	5.52	-0.243
536	Endophilin-A2	Q99961	41464	5.31	-0.734
537	Actin-related protein 2/3 complex subunit 5-like protein	Q9BPX5	16931	6.15	-0.394
538	Uncharacterized protein C19orf43	Q9BQ61	18408	9.46	-1.045

539	Methylosome protein 50	Q9BQA1	36701	5.03	-0.013
540	Coronin-1B	Q9BR76	54200	5.61	-0.315
541	Partner of Y14 and mago	Q9BRP8	22642	9.45	-1.116
542	COP9 signalosome complex subunit 4	Q9BT78	46240	5.57	-0.311
543	Tubulin beta-6 chain	Q9BUF5	49825	4.77	-0.326
544	Uncharacterized protein C9orf142	Q9BUH6	21626	5.39	-0.374
545	Vesicle-associated membrane protein 8	Q9BV40	11431	6.74	-0.049
546	Acetyl-CoA acetyltransferase, cytosolic	Q9BWD1	41324	6.47	0.203
547	Centrosomal protein of 41 kDa	Q9BYV8	41343	8.46	-0.828
548	Protein YIPF3	Q9GZM5	38223	5.47	0.297
549	Putative GTP cyclohydrolase 1 type 2 NIF3L1	Q9GZT8	41942	6.19	-0.162
550	Polyadenylate-binding protein-interacting protein 1	Q9H074	53491	4.71	-0.69
551	Protein FAM107B	Q9H098	15548	7.88	-1.417
552	Integrin-linked kinase-associated serine/threonine phosphatase 2C	Q9H0C8	42880	6.69	-0.478
553	Probable ATP-dependent RNA helicase DDX47	Q9H0S4	50615	9.18	-0.263
554	SH3 domain-binding glutamic acid-rich-like protein 3	Q9H299	10431	4.82	-0.498
555	RING finger protein 39	Q9H2S5	45496	8.69	-0.392
556	Solute carrier organic anion transporter family member 5A1	Q9H2Y9	91804	7.96	0.151
557	BolA-like protein 2	Q9H3K6	10110	6.07	-0.616
558	Uncharacterized protein C1orf198	Q9H425	36324	5.6	-0.894
559	Tubulin beta-1 chain	Q9H4B7	50295	5.05	-0.243
560	dCTP pyrophosphatase 1	Q9H773	18669	4.93	-0.462
561	Uncharacterized protein C1orf115	Q9H7X2	15507	9.87	-0.546
562	Hematological and neurological expressed 1-like protein	Q9H910	20051	9.3	-0.996
563	UPF0364 protein C6orf211	Q9H993	51140	5.48	-0.321
564	Interferon-stimulated 20 kDa exonuclease-like 2	Q9H9L3	39130	9.94	-0.777
565	Calcyclin-binding protein	Q9HB71	26194	8.28	-0.791
566	Plasminogen receptor (KT)	Q9HBL7	17190	9.58	-0.227
567	Putative sodium-coupled neutral amino acid transporter 10	Q9HBR0	119687	5.51	-0.364
568	Charged multivesicular body protein 1a	Q9HD42	21689	7.77	-0.471
569	Dynein light chain roadblock-type 1	Q9NP97	10915	6.58	-0.335
570	Probable tRNA N6-adenosine threonylcarbamoyltransferase	Q9NPF4	36403	5.94	-0.004

571	Inositol-3-phosphate synthase 1	Q9NPH2	61029	5.52	-0.11
572	Putative 40S ribosomal protein S10-like	Q9NQ39	20108	10.13	-0.823
573	Leucine zipper transcription factor-like protein 1	Q9NQ48	34571	5.3	-0.757
574	Prefoldin subunit 4	Q9NQP4	15305	4.42	-0.578
575	Omega-amidase NIT2	Q9NQR4	30589	6.82	-0.186
576	Nucleolar RNA helicase 2	Q9NR30	87290	9.32	-0.763
577	Sialic acid synthase	Q9NR45	40281	6.29	-0.334
578	Protein lin-7 homolog C	Q9NUP9	21820	8.52	-0.447
579	CUE domain-containing protein 1	Q9NWM3	42232	5.48	-0.804
580	BRISC and BRCA1-A complex member 1	Q9NWV8	36537	4.6	-0.463
581	Huntingtin-interacting protein K	Q9NX55	14656	4.9	-0.96
582	Bcl-2-associated transcription factor 1	Q9NYF8	106059	9.99	-1.631
583	Methionine aden yltransferase 2 subunit beta	Q9NZL9	37528	6.9	-0.343
584	E3 ubiquitin-protein ligase KCMF1	Q9P0J7	41919	5.41	-0.661
585	SUMO-activating enzyme subunit 1	Q9UBE0	38426	5.17	-0.297
586	Mortality factor 4-like protein 1	Q9UBU8	41448	9.29	-0.718
587	Septin-9	Q9UHD8	65361	9.06	-0.663
588	Transmembrane protein 2	Q9UHN6	154276	8.41	-0.373
589	Prefoldin subunit 2	Q9UHV9	16638	6.2	-0.595
590	GTP:AMP phosphotransferase AK3, mitochondrial	Q9UIJ7	25550	9.15	-0.352
591	Drebrin-like protein	Q9UJU6	48178	5.02	-0.844
592	Cleavage and polyadenylation specificity factor subunit 3	Q9UKF6	77436	5.37	-0.21
593	Trafficking protein particle complex subunit 2-like protein	Q9UL33	16135	6.28	-0.169
594	Sorting nexin-12	Q9UMY4	19718	7.71	-0.538
595	Protein kinase C and casein kinase substrate in neurons protein 2	Q9UNF0	55704	5.08	-1.03
596	26S proteasome non-ATPase regulatory subunit 13	Q9UNM6	42918	5.53	-0.177
597	COP9 signalosome complex subunit 3	Q9UNS2	47842	6.19	-0.199
598	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	Q9Y237	13801	9.78	-0.588
599	Cofilin-2	Q9Y281	18725	7.66	-0.404
600	Calcium-regulated heat stable protein 1	Q9Y2V2	15882	8.41	-0.477
601	Calcium-binding protein 39	Q9Y376	39844	6.43	-0.4
602	Putative RNA-binding protein Luc7-like 2	Q9Y383	46486	10.02	-1.486

603	MOB-like protein phocein	Q9Y3A3	26016	5.5	-0.492
604	Oligoribonuclease, mitochondrial	Q9Y3B8	26816	6.41	-0.506
605	tRNA-splicing ligase RtcB homolog	Q9Y3I0	55175	6.77	-0.229
606	Chromatin target of PRMT1 protein	Q9Y3Y2	26380	12.24	-0.708
607	U6 snRNA-associated Sm-like protein LSM5	Q9Y4Y9	9931	4.42	0.082
608	Mitochondrial import inner membrane translocase subunit Tim9	Q9Y5J7	10371	6.71	-0.637
609	Spindlin-1	Q9Y657	29582	6.46	-0.612
610	Chloride intracellular channel protein 4	Q9Y696	28754	5.45	-0.409
611	Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial	Q9Y6H1	15503	9.43	-0.383
Membrane proteins					
612	Sulfhydryl oxidase 1	O00391	82526	9.13	-0.191
613	Neuropilin-1	O14786	103069	5.58	-0.441
614	Apolipoprotein L1	O14791	43947	5.6	-0.239
615	Prosaposin receptor GPR37	O15354	67070	8.68	0.06
616	Kunitz-type protease inhibitor 1	O43278	58360	5.89	-0.336
617	Beta-1,4-galactosyltransferase 5	O43286	45090	8.21	-0.343
618	Trans-Golgi network integral membrane protein 2	O43493	51082	5.53	-1.089
619	Protocadherin-7	O60245	116000	5.02	-0.39
620	Neuropilin-2	O60462	104792	5.04	-0.47
621	Beta-1,4-galactosyltransferase 4	O60513	40016	9.18	-0.387
622	Sodium/potassium/calcium exchanger 1	O60721	121297	4.9	-0.259
623	Protein CutA	O60888	19104	5.42	0.377
624	Tumor necrosis factor receptor superfamily member 21	O75509	71799	8.09	-0.397
625	Carboxypeptidase D	O75976	152835	5.68	-0.396
626	Calsyntenin-1	O94985	109724	4.81	-0.452
627	Thioredoxin domain-containing protein 12	O95881	19194	5.24	-0.405
628	Coagulation factor X	P00742	54697	5.68	-0.58
629	Cystatin-C	P01034	15789	9	-0.112
630	Low-density lipoprotein receptor	P01130	95314	4.86	-0.389
631	HLA class I histocompatibility antigen, B-7 alpha chain	P01889	40435	5.57	-0.56
632	Fibrinogen gamma chain	P02679	51479	5.37	-0.588

633	Angiogenin	P03950	16539	9.73	-0.422
634	Intercellular adhesion molecule 1	P05362	57789	8.31	-0.271
635	Integrin beta-1	P05556	88357	5.27	-0.404
636	Beta-hexosaminidase subunit beta	P07686	63071	6.29	-0.174
637	Beta-glucuronidase	P08236	74685	6.54	-0.316
638	Collagen alpha-2(IV) chain	P08572	167449	8.89	-0.584
639	Hepatocyte growth factor receptor	P08581	155441	7.02	-0.144
640	Macrophage colony-stimulating factor 1	P09603	60142	5.16	-0.532
641	Furin	P09958	86624	6.01	-0.39
642	Lysosomal alpha-glucosidase	P10253	105257	5.62	-0.129
643	Receptor-type tyrosine-protein phosphatase F	P10586	212744	5.93	-0.368
644	Cation-independent mannose-6-phosphate receptor	P11717	274199	5.64	-0.37
645	Low affinity immunoglobulin gamma Fc region receptor II-a	P12318	34978	6.19	-0.307
646	Bone morphogenetic protein 2	P12643	44674	9.15	-0.466
647	Cadherin-1 OS	P12830	97396	4.58	-0.351
648	Protein disulfide-isomerase A4	P13667	72887	4.96	-0.543
649	CD99 antigen	P14209	18836	4.58	-0.436
650	Poliovirus receptor	P15151	45274	6.07	-0.048
651	N-acetylglucosamine-6-sulfatase	P15586	62042	8.6	-0.286
652	Peptidyl-glycine alpha-amidating monooxygenase	P19021	108263	5.98	-0.325
653	Cadherin-2	P19022	99747	4.64	-0.346
654	Fibroblast growth factor receptor 3	P22607	87654	5.59	-0.242
655	Peptidyl-prolyl cis-trans isomerase B	P23284	23728	9.42	-0.198
656	Receptor-type tyrosine-protein phosphatase delta	P23468	214625	6.14	-0.419
657	Dipeptidyl peptidase 4	P27487	88222	5.67	-0.34
658	Calnexin	P27824	67526	4.47	-0.874
659	Ephrin type-B receptor 2	P29323	117417	6.15	-0.293
660	HLA class I histocompatibility antigen, A-1 alpha chain	P30443	40820	6.08	-0.53
661	Syndecan-4	P31431	21628	4.39	-0.133
662	Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA	P33908	72922	6.04	-0.265
663	Syndecan-2	P34741	22146	4.75	-0.407
664	Fibrillin-2	P35556	314558	4.73	-0.38

665	Basigin	P35613	42174	5.39	-0.323
666	Lysosomal Pro-X carboxypeptidase	P42785	55764	6.75	-0.115
667	Peptidyl-prolyl cis-trans isomerase C	P45877	22749	8.48	0.074
668	Heat shock 70 kDa protein 13	P48723	51895	5.52	-0.129
669	Protein ERGIC-53	P49257	57513	6.3	-0.542
670	Matrix metalloproteinase-14	P50281	65852	7.63	-0.465
671	Basal cell adhesion molecule	P50895	67363	5.53	-0.328
672	Ephrin-B2	P52799	36900	9.04	-0.35
673	Cadherin-6	P55285	88254	4.77	-0.475
674	Transforming growth factor beta-2	P61812	47717	8.82	-0.467
675	Fractalkine	P78423	42176	6.08	-0.355
676	Protein jagged-1	P78504	133709	5.7	-0.6
677	Tyrosine-protein kinase transmembrane receptor ROR2	Q01974	104690	6.1	-0.333
678	Desmocollin-2	Q02487	99899	5.19	-0.369
679	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase	Q02742	49767	8.65	-0.216
680	Transforming growth factor beta receptor type 3	Q03167	93440	5.45	-0.203
681	Collagen alpha-1(XIV) chain	Q05707	193394	5.16	-0.326
682	Amyloid-like protein 2	Q06481	86900	4.73	-0.58
683	Polypeptide N-acetylgalactosaminyltransferase 2	Q10471	64691	8.63	-0.493
684	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase 1	Q11201	39050	9.2	-0.228
685	Vesicular integral-membrane protein VIP36	Q12907	40203	6.46	-0.364
686	Protein OS-9	Q13438	75515	4.8	-0.877
687	CD166 antigen	Q13740	65061	5.92	-0.328
688	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2	Q13822	98930	7.14	-0.495
689	Dystroglycan	Q14118	97381	8.71	-0.374
690	Desmoglein-2	Q14126	122218	5.13	-0.301
691	Neutral alpha-glucosidase AB	Q14697	106807	5.74	-0.359
692	Membrane-bound transcription factor site-1 protease	Q14703	117674	8.91	-0.319
693	Receptor-type tyrosine-protein phosphatase kappa	Q15262	161998	5.58	-0.316
694	Transforming growth factor-beta-induced protein ig-h3	Q15582	74634	7.62	-0.085
695	V-type proton ATPase subunit S1	Q15904	51993	5.73	0.145

696	NHL repeat-containing protein 3	Q5JS37	38258	5.98	0.032
697	Signal-regulatory protein beta-1 isoform 3	Q5TFQ8	43332	7.7	-0.217
698	Vasorin	Q6EMK4	71668	7.16	-0.062
699	Protein CASC4	Q6P4E1	48835	5.54	-0.93
700	Seizure 6-like protein 2	Q6UXD5	97498	4.8	-0.251
701	Multiple epidermal growth factor-like domains protein 8	Q7Z7M0	302902	6.45	-0.242
702	N-acetylgalactosaminyltransferase 7	Q86SF2	75341	6.67	-0.473
703	G-protein coupled receptor 126	Q86SQ4	136607	8.18	-0.016
704	Polypeptide N-acetylgalactosaminyltransferase 10	Q86SR1	68948	8.84	-0.515
705	Kinectin	Q86UP2	156179	5.52	-0.901
706	Extracellular serine/threonine protein kinase FAM20C	Q8IXL6	66193	7.66	-0.487
707	Golgi membrane protein 1	Q8NBJ4	45306	4.91	-0.983
708	Tetratricopeptide repeat protein 13	Q8NBP0	96751	6.56	-0.284
709	Putative phospholipase B-like 2	Q8NHP8	65430	6.34	-0.107
710	Signal peptide peptidase-like 2B	Q8TCT7	64601	8.67	0.294
711	Protein FAM3C	Q92520	24665	8.52	-0.088
712	Poliovirus receptor-related protein 2	Q92692	57706	4.74	-0.238
713	Neuronal cell adhesion molecule	Q92823	143800	5.45	-0.38
714	Proprotein convertase subtilisin/kexin type 5	Q92824	206802	5.71	-0.574
715	Immunoglobulin superfamily member 8	Q969P0	64994	8.23	-0.075
716	Hepatitis A virus cellular receptor 1	Q96D42	38696	6.44	-0.013
717	Sialidase-1	Q99519	45439	5.58	-0.165
718	Calsyntenin-3	Q9BQT9	106031	5.24	-0.322
719	Matrix-remodeling-associated protein 8	Q9BRK3	49101	6.75	-0.35
720	45 kDa calcium-binding protein	Q9BRK5	41780	4.76	-0.672
721	C-X-C motif chemokine 16	Q9H2A7	27561	9.06	-0.224
722	MANSC domain-containing protein 1	Q9H8J5	46781	6.09	-0.146
723	HERV-MER_4q12 provirus ancestral Env polyprotein	Q9H9K5	63506	8.17	-0.276
724	Netrin-4	Q9HB63	70024	8.44	-0.446
725	Protocadherin-9	Q9HC56	135981	5.26	-0.426
726	Stromal cell-derived factor 2-like protein 1	Q9HCN8	23584	6.52	-0.352
727	Interleukin-1 receptor accessory protein	Q9NPH3	65377	8.37	-0.215

728	Semaphorin-4B	Q9NPR2	92135	6.51	-0.166
729	Semaphorin-4G	Q9NTN9	91439	8.1	-0.303
730	Inositol monophosphatase 3	Q9NX62	38657	6.38	-0.092
731	N-acetylglucosaminide beta-1,3-N-acetylglucosaminyltransferase	Q9NY97	47089	6.77	-0.379
732	G-protein coupled receptor family C group 5 member B	Q9NZH0	44766	8.56	0.503
733	Leucine-rich repeat transmembrane protein FLRT3	Q9NZU0	72957	7.55	-0.269
734	Prostaglandin F2 receptor negative regulator	Q9P2B2	98495	6.16	-0.284
735	Cathepsin Z	Q9UBR2	33846	6.7	-0.505
736	DnaJ homolog subfamily B member 11	Q9UBS4	40489	5.81	-0.561
737	ProSAAS	Q9UHG2	27356	6.22	-0.222
738	Plexin-A1	Q9UIW2	210933	6.49	-0.239
739	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Q9UK23	56037	6.15	-0.374
740	Zinc transporter ZIP10	Q9ULF5	94073	6.25	-0.554
741	Mammalian ependymin-related protein 1	Q9UM22	25421	6.32	-0.333
742	Hypoxia up-regulated protein 1	Q9Y4L1	111266	5.16	-0.546
743	Junctional adhesion molecule A	Q9Y624	32562	8.09	-0.092
Others					
744	Shootin-1	A0MZ66	71596	5.27	-0.969
745	Protein FAM83G	A6ND36	90779	5.97	-0.697
746	Phosphoglycolate phosphatase	A6NDG6	33985	5.85	0.023
747	D-dopachrome decarboxylase-like protein	A6NHG4	14186	5.89	0.079
748	Wilms tumor protein 1-interacting protein	A6NIX2	45095	8.53	-0.381
749	Putative high mobility group protein B1-like 1	B2RPK0	24223	5.92	-1.559
750	Eukaryotic translation initiation factor 3 subunit C-like protein	B5ME19	105407	5.45	-0.796
751	Nascent polypeptide-associated complex subunit alpha, muscle-specific form	E9PAV3	205295	9.6	-0.335
752	PDZ and LIM domain protein 1	O00151	36049	6.56	-0.522
753	AH receptor-interacting protein	O00170	37612	5.88	-0.492
754	26S proteasome non-ATPase regulatory subunit 11	O00231	47434	6.08	-0.182
755	Copper transport protein ATOX1	O00244	7397	6.71	-0.151
756	NEDD4-like E3 ubiquitin-protein ligase WWP2	O00308	98850	6.67	-0.69
757	Dynamin-1-like protein	O00429	81826	6.37	-0.259

758	Pescadillo homolog	O00541	67960	6.93	-0.689
759	AT-rich interactive domain-containing protein 1A	O14497	241892	6.24	-0.778
760	Coatomer subunit epsilon	O14579	34460	4.97	-0.344
761	Etoposide-induced protein 2.4 homolog	O14681	38940	9.75	0.294
762	Na(+)/H(+) exchange regulatory cofactor NHE-RF1	O14745	38845	5.55	-0.711
763	Transcription elongation regulator 1	O14776	123823	8.71	-0.868
764	Proteasome subunit alpha type-7	O14818	27870	8.6	-0.432
765	Secretory carrier-associated membrane protein 3	O14828	38262	7.55	0.026
766	Histone acetyltransferase type B catalytic subunit	O14929	49481	5.52	-0.454
767	Hepatocyte growth factor-regulated tyrosine kinase substrate	O14964	86138	5.84	-0.697
768	Protein phosphatase 1 regulatory subunit 12A	O14974	115211	5.31	-1.055
769	Heterogeneous nuclear ribonucleoprotein D-like	O14979	46409	9.59	-0.952
770	Spectrin beta chain, non-erythrocytic 2	O15020	271157	5.79	-0.651
771	Protein transport protein Sec16A	O15027	233373	5.4	-0.607
772	Phosphoribosylformylglycinamide synthase	O15067	144643	5.5	-0.199
773	NAC-alpha domain-containing protein 1	O15069	161002	4.12	-0.445
774	Actin-related protein 2/3 complex subunit 1B	O15143	40923	8.69	-0.198
775	Actin-related protein 2/3 complex subunit 2	O15144	34311	6.84	-0.439
776	Protein phosphatase 1G	O15355	59235	4.28	-0.806
777	Eukaryotic translation initiation factor 3 subunit D	O15371	63932	5.79	-0.842
778	Syntaxin-7	O15400	29797	5.41	-0.631
779	D-3-phosphoglycerate dehydrogenase	O43175	56614	6.29	0.093
780	Bifunctional 3~-phosphoadenosine 5~-phosphosulfate synthase 1	O43252	70788	6.4	-0.413
781	Heterogeneous nuclear ribonucleoprotein R	O43390	70899	8.23	-0.933
782	Thioredoxin-like protein 1	O43396	32231	4.84	-0.459
783	Acidic leucine-rich nuclear phosphoprotein 32 family member C	O43423	26746	4.14	-1.056
784	Eukaryotic translation initiation factor 4 gamma 3	O43432	176542	5.27	-0.613
785	Band 4.1-like protein 2	O43491	112519	5.34	-0.815
786	Pleiotropic regulator 1	O43660	57158	9.24	-0.49
787	Alpha-actinin-4	O43707	104788	5.27	-0.637
788	Asparagine--tRNA ligase, cytoplasmic	O43776	62903	5.9	-0.491
789	Cleavage and polyadenylation specificity factor subunit 5	O43809	26211	8.85	-0.396

790	Striatin	O43815	86079	5.12	-0.546
791	U3 small nucleolar RNA-interacting protein 2	O43818	51809	7.97	-0.417
792	C-Jun-amino-terminal kinase-interacting protein 4	O60271	146115	5.05	-0.596
793	Periplakin	O60437	204623	5.47	-0.982
794	Heterogeneous nuclear ribonucleoprotein Q	O60506	69560	8.68	-0.881
795	Protein diaphanous homolog 1	O60610	141258	5.31	-0.542
796	UDP-glucose 6-dehydrogenase	O60701	54989	6.73	-0.224
797	Catenin delta-1	O60716	108103	5.86	-0.728
798	H/ACA ribonucleoprotein complex subunit 4	O60832	57638	9.46	-0.483
799	Eukaryotic translation initiation factor 5B	O60841	138742	5.39	-1.049
800	Huntingtin-interacting protein 1-related protein	O75146	119315	6.22	-0.502
801	Clustered mitochondria protein homolog	O75153	146577	5.75	-0.351
802	DnaJ homolog subfamily C member 13	O75165	254252	6.31	-0.222
803	Zinc finger protein ZPR1	O75312	50893	4.66	-0.514
804	Tubulin-specific chaperone A	O75347	12847	5.25	-0.944
805	Advillin	O75366	91969	5.47	-0.417
806	Filamin-B	O75369	277990	5.47	-0.293
807	Vacuolar protein sorting-associated protein 26A	O75436	38146	6.13	-0.426
808	Serine/arginine-rich splicing factor 10	O75494	31282	11.26	-1.762
809	Splicing factor 3B subunit 1	O75533	145738	6.65	-0.386
810	Cold shock domain-containing protein E1	O75534	88829	5.88	-0.443
811	Surfeit locus protein 6	O75683	41426	10.65	-1.366
812	Eukaryotic translation initiation factor 3 subunit J	O75822	29045	4.72	-1.007
813	Ribosomal L1 domain-containing protein 1	O76021	54939	10.13	-0.899
814	Wolframin	O76024	100227	8.34	0.052
815	cGMP-specific 3~,5~-cyclic phosphodiesterase	O76074	99921	5.74	-0.394
816	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1	O94760	31102	5.53	-0.133
817	Metastasis-associated protein MTA2	O94776	74976	9.7	-0.528
818	E3 UFM1-protein ligase 1	O94874	89540	6.35	-0.375
819	Proline synthase co-transcribed bacterial homolog protein	O94903	30325	7.09	-0.3
820	E3 ubiquitin-protein ligase TRIM37	O94972	107837	5.04	-0.612
821	Protein transport protein Sec31A	O94979	132931	6.43	-0.403

822	Chromosome-associated kinesin KIF4A	O95239	139794	5.99	-0.749
823	CD2 antigen cytoplasmic tail-binding protein 2	O95400	37623	4.49	-0.828
824	Zinc finger FYVE domain-containing protein 9	O95405	156303	4.89	-0.405
825	Activator of 90 kDa heat shock protein ATPase homolog 1	O95433	38250	5.41	-0.55
826	YEATS domain-containing protein 4	O95619	26483	8.4	-0.605
827	N-acetylserotonin O-methyltransferase-like protein	O95671	68813	5.71	-0.212
828	Keratin, type II cytoskeletal 75	O95678	59524	7.6	-0.452
829	Geranylgeranyl pyrophosphate synthase	O95749	34849	5.78	-0.428
830	Apoptosis-inducing factor 1, mitochondrial	O95831	66859	9.04	-0.268
831	Glutamate dehydrogenase 1, mitochondrial	P00367	61359	7.66	-0.293
832	Phosphoglycerate kinase 1	P00558	44586	8.3	-0.078
833	Carbonic anhydrase 2	P00918	29228	6.87	-0.579
834	Prelamin-A/C	P02545	74095	6.57	-0.863
835	Ferritin light chain	P02792	20007	5.51	-0.52
836	Catalase	P04040	59719	6.9	-0.586
837	Fructose-bisphosphate aldolase A	P04075	39395	8.3	-0.262
838	Keratin, type II cytoskeletal 6B	P04259	60030	8.09	-0.451
839	Keratin, type II cytoskeletal 1	P04264	65999	8.15	-0.626
840	Glyceraldehyde-3-phosphate dehydrogenase	P04406	36030	8.57	-0.108
841	Anion exchange protein 2	P04920	136923	5.9	-0.145
842	Non-histone chromosomal protein HMG-14	P05114	10653	9.6	-1.551
843	Eukaryotic translation initiation factor 2 subunit 1	P05198	36089	5.02	-0.453
844	60S acidic ribosomal protein P1	P05386	11507	4.26	0.11
845	60S acidic ribosomal protein P2	P05387	11658	4.42	-0.237
846	Lupus La protein	P05455	46808	6.68	-0.973
847	Keratin, type II cytoskeletal 8	P05787	53671	5.52	-0.597
848	Prothymosin alpha	P06454	12196	3.69	-1.971
849	Cyclin-dependent kinase 1	P06493	34074	8.37	-0.281
850	Glucose-6-phosphate isomerase	P06744	63107	8.43	-0.344
851	Histone H1.0	P07305	20850	10.84	-1.073
852	Tubulin beta chain	P07437	49639	4.78	-0.348
853	Carbonic anhydrase 3	P07451	29539	6.86	-0.603

854	Profilin-1	P07737	15045	8.44	-0.116
855	Bifunctional glutamate/proline--tRNA ligase	P07814	170483	7.02	-0.517
856	Heat shock protein HSP 90-alpha	P07900	84607	4.94	-0.75
857	Heterogeneous nuclear ribonucleoproteins C1/C2	P07910	33650	4.95	-0.977
858	Tropomyosin beta chain	P07951	32831	4.66	-1.115
859	Heat shock 70 kDa protein 1A/1B	P08107	70009	5.48	-0.383
860	Heat shock protein HSP 90-beta	P08238	83212	4.97	-0.678
861	U1 small nuclear ribonucleoprotein 70 kDa	P08621	51526	9.94	-1.84
862	Villin-1	P09327	92637	5.99	-0.44
863	Galectin-1	P09382	14706	5.34	-0.151
864	High mobility group protein B1	P09429	24878	5.62	-1.61
865	Heterogeneous nuclear ribonucleoprotein A1	P09651	38723	9.17	-0.893
866	Poly [ADP-ribose] polymerase 1	P09874	113012	8.99	-0.536
867	Leukotriene A-4 hydrolase	P09960	69241	5.8	-0.256
868	Fructose-bisphosphate aldolase C	P09972	39431	6.41	-0.241
869	Polyubiquitin-B	P0CG47	25746	6.86	-0.476
870	Thioredoxin	P10599	11730	4.82	-0.096
871	Microtubule-associated protein tau	P10636	78880	6.25	-0.882
872	cAMP-dependent protein kinase type I-alpha regulatory subunit	P10644	42955	5.27	-0.437
873	60 kDa heat shock protein, mitochondrial	P10809	61016	5.7	-0.076
874	Heat shock cognate 71 kDa protein	P11142	70854	5.37	-0.456
875	Glycogen phosphorylase, brain form	P11216	96635	6.4	-0.332
876	Breakpoint cluster region protein	P11274	142730	6.62	-0.626
877	DNA topoisomerase 1	P11387	90669	9.33	-1.29
878	Glucose-6-phosphate 1-dehydrogenase	P11413	59219	6.39	-0.37
879	Dystrophin	P11532	426484	5.64	-0.695
880	C-1-tetrahydrofolate synthase, cytoplasmic	P11586	101495	6.89	-0.095
881	Alcohol dehydrogenase class-3	P11766	39698	7.45	0.158
882	Polyadenylate-binding protein 1	P11940	70626	9.52	-0.511
883	Histidine--tRNA ligase, cytoplasmic	P12081	57374	5.72	-0.252
884	Inosine-5~-monophosphate dehydrogenase 2	P12268	55770	6.44	-0.114
885	Nucleoprotein TPR	P12270	267131	4.97	-0.969

886	Creatine kinase B-type	P12277	42617	5.34	-0.421
887	Annexin A3	P12429	36353	5.63	-0.423
888	Alpha-actinin-1	P12814	102993	5.25	-0.599
889	Xaa-Pro dipeptidase	P12955	54513	5.64	-0.13
890	X-ray repair cross-complementing protein 6	P12956	69799	6.23	-0.536
891	X-ray repair cross-complementing protein 5	P13010	82652	5.55	-0.336
892	Elongation factor 2	P13639	95277	6.41	-0.209
893	Keratin, type I cytoskeletal 10	P13645	58792	5.13	-0.624
894	Plastin-3	P13797	70766	5.41	-0.329
895	Beta-enolase	P13929	46957	7.59	-0.194
896	Alcohol dehydrogenase [NADP(+)]	P14550	36550	6.32	-0.27
897	Pyruvate kinase PKM	P14618	57900	7.96	-0.128
898	Small nuclear ribonucleoprotein-associated proteins B and B~	P14678	24594	11.2	-0.371
899	Heterogeneous nuclear ribonucleoprotein L	P14866	64092	8.46	-0.649
900	Aspartate--tRNA ligase, cytoplasmic	P14868	57100	6.11	-0.416
901	Glutamine synthetase	P15104	42037	6.43	-0.596
902	Aldose reductase	P15121	35830	6.51	-0.253
903	Nucleoside diphosphate kinase A	P15531	17138	5.83	-0.194
904	Desmoplakin	P15924	331569	6.44	-0.823
905	Histone H1.5	P16401	22566	10.91	-0.742
906	Histone H1.2	P16403	21352	10.94	-0.685
907	Heat shock 70 kDa protein 6	P17066	70984	5.81	-0.46
908	High mobility group protein HMG-I/HMG-Y	P17096	11669	10.32	-1.807
909	Aspartate aminotransferase, cytoplasmic	P17174	46219	6.52	-0.277
910	Gap junction alpha-1 protein	P17302	42981	8.96	-0.215
911	CTP synthase 1	P17812	66648	6.02	-0.306
912	26S protease regulatory subunit 6A	P17980	49172	5.13	-0.396
913	60S ribosomal protein L7	P18124	29207	10.66	-0.623
914	Vinculin	P18206	123722	5.5	-0.405
915	Phosphoglycerate mutase 1	P18669	28786	6.67	-0.498
916	DNA repair protein XRCC1	P18887	69434	6.02	-0.785
917	Nucleolin	P19338	76568	4.6	-1.126

918	Eukaryotic translation initiation factor 2 subunit 2	P20042	38364	5.6	-1.03
919	Transcription factor BTF3	P20290	22154	9.41	-0.742
920	Proteasome subunit beta type-1	P20618	26472	8.27	-0.117
921	Lamin-B1	P20700	66368	5.11	-0.788
922	Calpastatin	P20810	76526	4.98	-1.193
923	Cysteine and glycine-rich protein 1	P21291	20554	8.9	-0.526
924	Filamin-A	P21333	280564	5.7	-0.317
925	Oxysterol-binding protein 1	P22059	89365	6.9	-0.631
926	Nucleoside diphosphate kinase B	P22392	17287	8.52	-0.277
927	Histone H1t	P22492	22006	11.71	-0.676
928	Heterogeneous nuclear ribonucleoproteins A2/B1	P22626	37407	8.97	-0.931
929	Splicing factor, proline- and glutamine-rich	P23246	76102	9.45	-1.125
930	Tryptophan--tRNA ligase, cytoplasmic	P23381	53132	5.83	-0.365
931	40S ribosomal protein S3	P23396	26671	9.68	-0.153
932	DNA replication licensing factor MCM3	P25205	90924	5.53	-0.564
933	Proteasome subunit alpha type-1	P25786	29537	6.15	-0.433
934	Proteasome subunit alpha type-2	P25787	25882	6.92	-0.186
935	Proteasome subunit alpha type-3	P25788	28415	5.19	-0.279
936	Proteasome subunit alpha type-4	P25789	29465	7.57	-0.459
937	DNA (cytosine-5)-methyltransferase 1	P26358	183050	7.99	-0.798
938	60S ribosomal protein L13	P26373	24247	11.65	-0.855
939	High mobility group protein B2	P26583	24019	7.62	-1.696
940	Polypyrimidine tract-binding protein 1	P26599	57186	9.22	-0.15
941	Threonine--tRNA ligase, cytoplasmic	P26639	83382	6.23	-0.579
942	Valine--tRNA ligase	P26640	140387	7.53	-0.269
943	Elongation factor 1-gamma	P26641	50087	6.25	-0.481
944	Erythrocyte band 7 integral membrane protein	P27105	31711	7.71	0.043
945	14-3-3 protein theta	P27348	27747	4.68	-0.512
946	Replication protein A 70 kDa DNA-binding subunit	P27694	68095	6.92	-0.362
947	Microtubule-associated protein 4	P27816	120930	5.32	-0.541
948	Proteasome subunit alpha type-5	P28066	26394	4.74	-0.107
949	Cytosol aminopeptidase	P28838	56131	8.03	-0.172

950	Tripeptidyl-peptidase 2	P29144	138263	5.9	-0.338
951	Transketolase	P29401	67835	7.58	-0.174
952	Myristoylated alanine-rich C-kinase substrate	P29966	31536	4.47	-0.714
953	Peroxiredoxin-6	P30041	25019	6	-0.21
954	Adenylosuccinate synthetase isozyme 2	P30520	50066	6.13	-0.178
955	CAP-Gly domain-containing linker protein 1	P30622	162147	5.29	-0.869
956	Rab GDP dissociation inhibitor alpha	P31150	50550	5	-0.302
957	Nucleolysin TIA-1 isoform p40	P31483	42936	7.62	-0.578
958	Bifunctional purine biosynthesis protein PURH	P31939	64575	6.27	-0.108
959	Heterogeneous nuclear ribonucleoprotein H3	P31942	36903	6.37	-0.734
960	Heterogeneous nuclear ribonucleoprotein H	P31943	49198	5.89	-0.602
961	14-3-3 protein beta/alpha	P31946	28065	4.76	-0.729
962	14-3-3 protein sigma	P31947	27757	4.68	-0.599
963	Stress-induced-phosphoprotein 1	P31948	62599	6.4	-0.938
964	Interferon-induced guanylate-binding protein 1	P32455	67888	5.97	-0.554
965	Kinesin-1 heavy chain	P33176	109617	6.12	-0.81
966	Cleavage stimulation factor subunit 2	P33240	60920	6.36	-0.497
967	Histone H2B type 1-B	P33778	13942	10.31	-0.754
968	DNA replication licensing factor MCM5	P33992	82233	8.64	-0.352
969	DNA replication licensing factor MCM7	P33993	81257	6.08	-0.372
970	Serine hydroxymethyltransferase, mitochondrial	P34897	55958	8.76	-0.273
971	Heat shock 70 kDa protein 1-like	P34931	70331	5.76	-0.344
972	Heat shock 70 kDa protein 4	P34932	94271	5.11	-0.581
973	Catenin alpha-1	P35221	100009	5.95	-0.368
974	Radixin	P35241	68521	6.03	-1.007
975	Keratin, type I cytoskeletal 9	P35527	62027	5.14	-0.701
976	Glucokinase	P35557	52158	5.1	-0.344
977	Myosin-9	P35579	226392	5.5	-0.854
978	Coatamer subunit beta~	P35606	102422	5.15	-0.306
979	Alpha-adducin	P35611	80905	5.6	-0.632
980	RNA-binding protein FUS	P35637	53394	9.4	-1.319
981	Transcription factor SOX-5	P35711	83973	6.15	-0.746

982	Glutaredoxin-1	P35754	11768	8.33	-0.007
983	Protein phosphatase 1A	P35813	42421	5.19	-0.493
984	60S ribosomal protein L4	P36578	47667	11.07	-0.611
985	Phosphoglucomutase-1	P36871	61411	6.3	-0.131
986	Transaldolase	P37837	37516	6.36	-0.25
987	RNA-binding motif protein, X chromosome	P38159	42306	10.06	-1.367
988	V-type proton ATPase catalytic subunit A	P38606	68260	5.35	-0.186
989	Acidic leucine-rich nuclear phosphoprotein 32 family member A	P39687	28568	3.99	-1.26
990	Flap endonuclease 1	P39748	42566	8.8	-0.527
991	Macrophage-capping protein	P40121	38474	5.82	-0.43
992	Adenylyl cyclase-associated protein 2	P40123	52791	5.95	-0.429
993	T-complex protein 1 subunit zeta	P40227	57988	6.23	-0.097
994	Malate dehydrogenase, cytoplasmic	P40925	36403	6.91	-0.043
995	Isoleucine--tRNA ligase, cytoplasmic	P41252	144406	5.82	-0.238
996	Beta-actin	P42025	42267	5.98	-0.244
997	Lamina-associated polypeptide 2, isoform alpha	P42166	75446	7.56	-0.548
998	Superkiller viralicidal activity 2-like 2	P42285	117729	6.12	-0.322
999	Serine/threonine-protein kinase mTOR	P42345	288707	6.73	-0.193
1000	Caspase-3	P42574	31587	6.09	-0.457
1001	40S ribosomal protein S27	P42677	9455	9.57	-0.511
1002	Platelet-activating factor acetylhydrolase IB subunit alpha	P43034	46608	6.97	-0.508
1003	Nicotinamide phosphoribosyltransferase	P43490	55487	6.69	-0.429
1004	Ubiquitin carboxyl-terminal hydrolase 5	P45974	95725	4.91	-0.44
1005	Antigen KI-67	P46013	358474	9.49	-0.975
1006	Adapter molecule crk	P46108	33810	5.38	-0.663
1007	60S ribosomal protein L5	P46777	34341	9.73	-0.743
1008	Microtubule-associated protein 1B	P46821	270468	4.73	-0.835
1009	Glucosamine-6-phosphate isomerase 1	P46926	32648	6.42	-0.254
1010	Guanine nucleotide exchange factor MSS4	P47224	13830	5.37	-0.308
1011	Eukaryotic translation initiation factor 1A, X-chromosomal	P47813	16450	5.07	-1.008
1012	Glutamine--tRNA ligase OS	P47897	87743	6.71	-0.307
1013	NADP-dependent malic enzyme	P48163	64109	5.79	-0.22

1014	Coatomer subunit delta	P48444	57174	5.89	-0.392
1015	Protein PRRC2A	P48634	228724	9.48	-1.028
1016	Glutathione synthetase	P48637	52352	5.67	-0.191
1017	T-complex protein 1 subunit epsilon	P48643	59633	5.45	-0.192
1018	Nestin	P48681	177332	4.35	-0.905
1019	Phosphatidylinositol transfer protein beta isoform	P48739	31520	6.41	-0.613
1020	MARCKS-related protein	P49006	19517	4.68	-1.158
1021	Nuclear autoantigenic sperm protein	P49321	85186	4.26	-0.831
1022	Fatty acid synthase	P49327	273254	6.01	-0.07
1023	Protein farnesyltransferase/geranylgeranyltransferase type-1 subunit alpha	P49354	44381	4.96	-0.754
1024	T-complex protein 1 subunit gamma	P49368	60495	6.1	-0.252
1025	Amphiphysin	P49418	76210	4.58	-0.626
1026	Alanine--tRNA ligase, cytoplasmic	P49588	106743	5.34	-0.304
1027	Cysteine--tRNA ligase, cytoplasmic	P49589	85419	6.31	-0.582
1028	Proteasome subunit beta type-2	P49721	22822	6.51	-0.17
1029	DNA replication licensing factor MCM2	P49736	101832	5.34	-0.498
1030	Double-strand break repair protein MRE11A	P49959	80543	5.61	-0.675
1031	Rab GDP dissociation inhibitor beta	P50395	50631	6.11	-0.332
1032	Dynamin-2	P50570	98003	7.04	-0.433
1033	Methionine aminopeptidase 2	P50579	52858	5.57	-0.682
1034	60S ribosomal protein L14	P50914	23417	10.94	-0.512
1035	Transcription activator BRG1	P51532	184530	7.83	-0.839
1036	Host cell factor 1	P51610	208602	7.32	-0.09
1037	26S proteasome non-ATPase regulatory subunit 7	P51665	37002	6.29	-0.52
1038	Ribosomal protein S6 kinase alpha-3	P51812	83683	6.41	-0.338
1039	Hepatoma-derived growth factor	P51858	26772	4.7	-1.335
1040	Heterogeneous nuclear ribonucleoprotein A3	P51991	39571	9.1	-0.989
1041	6-phosphogluconate dehydrogenase, decarboxylating	P52209	53106	6.8	-0.15
1042	Heterogeneous nuclear ribonucleoprotein M	P52272	77464	8.84	-0.342
1043	Rho GDP-dissociation inhibitor 1	P52565	23193	5.02	-0.687
1044	Heterogeneous nuclear ribonucleoprotein F	P52597	45643	5.38	-0.472
1045	Spermine synthase	P52788	41242	4.87	-0.256

1046	Thimet oligopeptidase	P52888	78789	5.72	-0.469
1047	Aldo-keto reductase family 1 member C2	P52895	36712	7.13	-0.301
1048	F-actin-capping protein subunit alpha-1	P52907	32902	5.45	-0.668
1049	Serine/threonine-protein phosphatase 5	P53041	56842	5.88	-0.514
1050	Diphosphomevalonate decarboxylase	P53602	43377	6.79	-0.098
1051	Coatomer subunit alpha	P53621	138258	7.7	-0.286
1052	Smoothelin	P53814	98998	9.2	-0.757
1053	Protein transport protein Sec24C	P53992	118249	6.71	-0.233
1054	Arginine--tRNA ligase, cytoplasmic	P54136	75331	6.26	-0.28
1055	Tyrosine--tRNA ligase, cytoplasmic	P54577	59106	6.61	-0.362
1056	Heat shock-related 70 kDa protein 2	P54652	69978	5.56	-0.486
1057	UV excision repair protein RAD23 homolog A	P54725	39585	4.56	-0.535
1058	Eukaryotic translation initiation factor 5	P55010	49192	5.41	-0.802
1059	26S proteasome non-ATPase regulatory subunit 4	P55036	40711	4.68	-0.457
1060	Exportin-2	P55060	110346	5.51	-0.033
1061	Transitional endoplasmic reticulum ATPase	P55072	89266	5.14	-0.348
1062	Afadin	P55196	206676	6.06	-0.864
1063	Adenosine kinase	P55263	40520	6.24	-0.318
1064	NHP2-like protein 1	P55769	14165	8.72	-0.09
1065	Puromycin-sensitive aminopeptidase	P55786	103211	5.49	-0.195
1066	Eukaryotic translation initiation factor 3 subunit B	P55884	92424	4.89	-0.632
1067	Breast cancer anti-estrogen resistance protein 1	P56945	93314	5.41	-0.477
1068	Histone H2B type 1-D	P58876	13928	10.31	-0.758
1069	Myosin light polypeptide 6	P60660	16919	4.56	-0.389
1070	Actin, cytoplasmic 1	P60709	41710	5.29	-0.2
1071	Actin-related protein 3	P61158	47341	5.61	-0.266
1072	Actin-related protein 2	P61160	44732	6.3	-0.185
1073	Pterin-4-alpha-carbinolamine dehydratase	P61457	11992	6.28	-0.362
1074	AP-1 complex subunit sigma-1A	P61966	18721	5.6	-0.161
1075	Heterogeneous nuclear ribonucleoprotein K	P61978	50944	5.39	-0.705
1076	14-3-3 protein gamma	P61981	28285	4.8	-0.68
1077	26S protease regulatory subunit 8	P62195	45597	7.11	-0.322

1078	40S ribosomal protein S8	P62241	24190	10.32	-1.02
1079	14-3-3 protein epsilon	P62258	29155	4.63	-0.54
1080	40S ribosomal protein S18	P62269	17708	10.99	-0.71
1081	60S ribosomal protein L7a	P62424	29977	10.61	-0.547
1082	60S ribosomal protein L23a	P62750	17684	10.44	-0.726
1083	Histone H4	P62805	11360	11.36	-0.521
1084	Histone H2B type 1-C/E/F/G/I	P62807	13898	10.31	-0.738
1085	Ras-related protein Rab-1A	P62820	22663	5.93	-0.294
1086	40S ribosomal protein S25	P62851	13734	10.12	-0.861
1087	60S ribosomal protein L30	P62888	12776	9.65	-0.295
1088	60S ribosomal protein L32	P62910	15850	11.32	-0.767
1089	60S ribosomal protein L11	P62913	20240	9.64	-0.534
1090	Peptidyl-prolyl cis-trans isomerase A	P62937	18001	7.68	-0.316
1091	Peptidyl-prolyl cis-trans isomerase FKBP1A	P62942	11943	7.88	-0.411
1092	Growth factor receptor-bound protein 2	P62993	25190	5.89	-0.668
1093	14-3-3 protein zeta/delta	P63104	27728	4.73	-0.621
1094	Eukaryotic translation initiation factor 5A-1	P63241	16821	5.08	-0.265
1095	Guanine nucleotide-binding protein subunit beta-2-like 1	P63244	35055	7.6	-0.251
1096	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	P67775	35571	5.3	-0.427
1097	Tropomyosin alpha-4 chain	P67936	28504	4.67	-1.021
1098	Elongation factor 1-alpha 1	P68104	50109	9.1	-0.257
1099	Hemoglobin subunit beta	P68871	15988	6.75	0.014
1100	Phosphoserine phosphatase	P78330	24992	5.53	-0.127
1101	Eukaryotic translation initiation factor 4 gamma 2	P78344	102297	6.7	-0.468
1102	T-complex protein 1 subunit beta	P78371	57452	6.01	-0.015
1103	Glutathione S-transferase omega-1	P78417	27548	6.23	-0.38
1104	SAP domain-containing ribonucleoprotein	P82979	23656	6.1	-0.912
1105	Disabled homolog 2	P98082	82397	5.34	-0.617
1106	Cytochrome c	P99999	11741	9.59	-0.706
1107	Vigilin	Q00341	141368	6.43	-0.499
1108	Clathrin heavy chain 1	Q00610	191493	5.48	-0.243
1109	Heterogeneous nuclear ribonucleoprotein U	Q00839	90528	5.76	-0.978

1110	Spectrin beta chain, non-erythrocytic 1	Q01082	274439	5.39	-0.766
1111	Protein SET	Q01105	33469	4.23	-1.334
1112	AMP deaminase 2	Q01433	100624	6.46	-0.482
1113	Fatty acid-binding protein, epidermal	Q01469	15155	6.6	-0.458
1114	Adenylyl cyclase-associated protein 1	Q01518	51869	8.24	-0.352
1115	Protein Dr1	Q01658	19432	4.69	-0.554
1116	RNA-binding protein EWS	Q01844	68436	9.37	-1.117
1117	Histone H1.1	Q02539	21829	10.99	-0.746
1118	Peptidyl-prolyl cis-trans isomerase FKBP4	Q02790	51772	5.35	-0.643
1119	60S ribosomal protein L6	Q02878	32708	10.59	-0.732
1120	Tumor necrosis factor alpha-induced protein 2	Q03169	72616	6.06	-0.274
1121	Lamin-B2	Q03252	67647	5.29	-0.787
1122	Eukaryotic translation initiation factor 4 gamma 1	Q04637	175382	5.25	-0.65
1123	Lactoylglutathione lyase	Q04760	20764	5.12	-0.516
1124	Aldo-keto reductase family 1 member C1	Q04828	36765	8.02	-0.331
1125	14-3-3 protein eta	Q04917	28201	4.76	-0.618
1126	Caldesmon	Q05682	93175	5.62	-1.692
1127	Tyrosine-protein phosphatase non-receptor type 11	Q06124	68393	6.87	-0.721
1128	Fragile X mental retardation protein 1	Q06787	71131	6.99	-0.847
1129	KH domain-containing, RNA-binding, signal transduction-associated protein 1	Q07666	48197	8.73	-0.812
1130	Golgin subfamily A member 3	Q08378	167252	5.34	-0.835
1131	FACT complex subunit SSRP1	Q08945	81024	6.45	-0.921
1132	Zinc finger protein 415	Q09FC8	68754	9.16	-0.894
1133	Splicing factor 3A subunit 3	Q12874	58812	5.27	-0.924
1134	Interleukin enhancer-binding factor 2	Q12905	43035	5.19	-0.235
1135	Interleukin enhancer-binding factor 3	Q12906	95279	8.86	-0.74
1136	Striatin-3	Q13033	87155	5.17	-0.561
1137	Chromatin assembly factor 1 subunit B	Q13112	61454	7.18	-0.441
1138	5'-AMP-activated protein kinase catalytic subunit alpha-1	Q13131	63969	8.32	-0.461
1139	Heterogeneous nuclear ribonucleoprotein A0	Q13151	30822	9.34	-0.594
1140	Serine/threonine-protein kinase PAK 1	Q13153	60609	5.55	-0.602

1141	Aminoacyl tRNA synthase complex-interacting multifunctional protein 2	Q13155	35326	8.45	-0.144
1142	26S proteasome non-ATPase regulatory subunit 2	Q13200	100136	5.08	-0.174
1143	Probable ATP-dependent RNA helicase DDX10	Q13206	100825	8.72	-0.829
1144	Transcription intermediary factor 1-beta	Q13263	88493	5.52	-0.387
1145	Ras GTPase-activating protein-binding protein 1	Q13283	52132	5.36	-0.834
1146	Cytoplasmic dynein 1 intermediate chain 2	Q13409	71412	5.08	-0.638
1147	Treacle protein	Q13428	152015	9.06	-0.909
1148	Splicing factor 3B subunit 2	Q13435	100165	5.52	-0.987
1149	28 kDa heat- and acid-stable phosphoprotein	Q13442	20618	8.84	-1.612
1150	Myotubularin	Q13496	69888	8.38	-0.435
1151	Tubulin beta-3 chain	Q13509	50400	4.83	-0.371
1152	Transformer-2 protein homolog alpha	Q13595	32669	11.27	-1.588
1153	GDP-L-fucose synthase	Q13630	35870	6.13	-0.258
1154	Spectrin alpha chain, non-erythrocytic 1	Q13813	284364	5.22	-0.79
1155	Cytoskeleton-associated protein 5	Q14008	225352	7.95	-0.363
1156	Heterogeneous nuclear ribonucleoprotein D0	Q14103	38410	7.62	-0.924
1157	Scaffold attachment factor B2	Q14151	107408	5.84	-1.287
1158	Eukaryotic translation initiation factor 3 subunit A	Q14152	166468	6.38	-1.489
1159	Dihydropyrimidinase-related protein 1	Q14194	62145	6.55	-0.235
1160	Dynactin subunit 1	Q14203	141607	5.61	-0.561
1161	Src substrate cortactin	Q14247	61549	5.24	-1.083
1162	Filamin-C	Q14315	290841	5.65	-0.32
1163	Caprin-1	Q14444	78318	5.14	-0.911
1164	DNA replication licensing factor MCM6	Q14566	92831	5.29	-0.377
1165	Inositol 1,4,5-trisphosphate receptor type 1	Q14643	313729	5.71	-0.315
1166	Plastin-1	Q14651	70209	5.28	-0.258
1167	E3 ubiquitin-protein ligase TRIP12	Q14669	220296	8.76	-0.508
1168	Mediator of DNA damage checkpoint protein 1	Q14676	226529	5.35	-0.824
1169	Clathrin interactor 1	Q14677	68216	6.01	-0.646
1170	Structural maintenance of chromosomes protein 1A	Q14683	143144	7.51	-0.969
1171	Golgin subfamily B member 1	Q14789	375790	4.96	-0.937
1172	Chromodomain-helicase-DNA-binding protein 4	Q14839	217867	5.62	-0.834

1173	Prostaglandin reductase 1	Q14914	35847	8.45	-0.027
1174	Nucleolar and coiled-body phosphoprotein 1	Q14978	73560	9.46	-1.208
1175	26S proteasome non-ATPase regulatory subunit 6	Q15008	45502	5.45	-0.356
1176	Mortality factor 4-like protein 2	Q15014	32288	9.72	-0.81
1177	Septin-2	Q15019	41461	6.15	-0.528
1178	Squamous cell carcinoma antigen recognized by T-cells 3	Q15020	109865	5.45	-0.66
1179	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1	Q15027	81485	7.6	-0.387
1180	WD repeat-containing protein 43	Q15061	74843	5.37	-0.472
1181	Early endosome antigen 1	Q15075	162367	5.55	-1.049
1182	Inorganic pyrophosphatase	Q15181	32639	5.54	-0.516
1183	Non-POU domain-containing octamer-binding protein	Q15233	54197	9.01	-0.999
1184	Rab GTPase-binding effector protein 1	Q15276	99229	4.95	-0.848
1185	Transcription elongation factor B polypeptide 1	Q15369	12465	4.74	-0.199
1186	Disks large-associated protein 5	Q15398	95056	9.11	-0.789
1187	Splicing factor 3A subunit 2	Q15428	49224	9.65	-0.719
1188	Splicing factor 3A subunit 1	Q15459	88831	5.15	-0.739
1189	Translin	Q15631	26167	6.01	-0.19
1190	Splicing factor 1	Q15637	68286	9.07	-0.834
1191	Cdc42-interacting protein 4	Q15642	68310	5.55	-0.97
1192	Thyroid receptor-interacting protein 6	Q15654	50255	7.19	-0.43
1193	Microtubule-associated protein RP/EB family member 1	Q15691	29980	5.02	-0.427
1194	Intersectin-1	Q15811	195300	7.76	-0.668
1195	NEDD8	Q15843	9066	7.98	-0.522
1196	Proteasomal ubiquitin receptor ADRM1	Q16186	42127	4.96	-0.31
1197	Coiled-coil domain-containing protein 6	Q16204	53258	6.87	-0.974
1198	Alpha-internexin	Q16352	55357	5.34	-0.627
1199	Hsp90 co-chaperone Cdc37	Q16543	44440	5.17	-0.967
1200	Dihydropyrimidinase-related protein 2	Q16555	62255	5.95	-0.261
1201	Drebrin	Q16643	71385	4.41	-0.805
1202	Fascin	Q16658	54496	6.84	-0.454
1203	Ubiquitin-conjugating enzyme E2 S	Q16763	23831	8.46	-0.422
1204	UTP--glucose-1-phosphate uridylyltransferase	Q16851	56905	8.16	-0.293

1205	Thioredoxin reductase 1, cytoplasmic	Q16881	70862	7.16	-0.221
1206	AP2-associated protein kinase 1	Q2M2I8	103821	6.16	-0.52
1207	Putative eukaryotic translation initiation factor 2 subunit 3-like protein	Q2VIR3	51196	8.67	-0.025
1208	Leucine-rich repeat flightless-interacting protein 1	Q32MZ4	89199	4.59	-1.123
1209	Heterogeneous nuclear ribonucleoprotein A1-like 2	Q32P51	34204	9.08	-0.844
1210	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)	Q3LXA3	58910	7.12	0.223
1211	Rab-like protein 6	Q3YEC7	79500	5.11	-0.865
1212	Coiled-coil domain-containing protein 14	Q49A88	106236	8.65	-0.718
1213	La-related protein 7	Q4G0J3	66857	9.57	-1.03
1214	GRIP1-associated protein 1	Q4V328	95931	5.08	-0.953
1215	Beta-lactamase-like protein 2	Q53H82	32785	6.32	-0.394
1216	Putative endoplasmin-like protein	Q58FF3	45830	5.14	-0.668
1217	Putative heat shock protein HSP 90-beta-3	Q58FF7	68282	4.71	-0.657
1218	Putative heat shock protein HSP 90-beta 2	Q58FF8	44321	4.79	-0.83
1219	Outer dense fiber protein 2	Q5BJF6	95342	7.53	-0.921
1220	Putative 40S ribosomal protein S26-like 1	Q5JNZ5	12994	10.55	-0.522
1221	Kinesin-like protein KIF24	Q5T7B8	151809	6.69	-0.669
1222	Rootletin	Q5TZA2	228388	5.45	-0.915
1223	Telomere-associated protein RIF1	Q5UIP0	274294	5.39	-0.498
1224	Proteasome-associated protein ECM29 homolog	Q5VYK3	204160	6.74	-0.128
1225	WASH complex subunit FAM21A	Q641Q2	147095	4.69	-0.906
1226	Autophagy-related protein 16-1	Q676U5	68223	6.2	-0.519
1227	Cytospin-A	Q69YQ0	124525	5.52	-0.814
1228	Parafibromin	Q6P1J9	60539	9.63	-0.577
1229	Pre-mRNA-processing-splicing factor 8	Q6P2Q9	273427	8.95	-0.468
1230	Zinc finger CCCH domain-containing protein 14	Q6PJT7	82823	6.99	-0.745
1231	La-related protein 1	Q6PKG0	123434	8.91	-1.035
1232	Tubulin alpha-1A chain	Q71U36	50104	4.94	-0.229
1233	Transcription elongation factor SPT6	Q7KZ85	198949	4.81	-0.856
1234	Staphylococcal nuclease domain-containing protein 1	Q7KZF4	101934	6.74	-0.426
1235	Probable ATP-dependent RNA helicase DDX46	Q7L014	117290	9.33	-0.929

1236	G2/M phase-specific E3 ubiquitin-protein ligase	Q7L622	80452	7.9	-0.348
1237	Nuclear fragile X mental retardation-interacting protein 2	Q7Z417	76075	8.7	-0.932
1238	Mitochondrial antiviral-signaling protein	Q7Z434	56493	5.36	-0.404
1239	Centromere protein V	Q7Z7K6	29927	9.78	-0.738
1240	Dipeptidyl peptidase 9	Q86TI2	98201	6.01	-0.381
1241	Leucine zipper protein 1	Q86V48	120202	8.67	-1.025
1242	THO complex subunit 4	Q86V81	26872	11.15	-0.819
1243	Cullin-associated NEDD8-dissociated protein 1	Q86VP6	136289	5.52	-0.019
1244	Poly(ADP-ribose) glycohydrolase	Q86W56	111041	6.03	-0.81
1245	FCH and double SH3 domains protein 1	Q86WN1	76895	5.23	-0.661
1246	Lipolysis-stimulated lipoprotein receptor	Q86X29	71394	8.29	-0.611
1247	ATP-dependent RNA helicase DDX42	Q86XP3	102912	6.54	-0.829
1248	Syntaxin-12	Q86Y82	31622	5.45	-0.58
1249	Transcriptional repressor p66-alpha	Q86YP4	68021	9.95	-0.504
1250	Protein NOXP20	Q8IWE2	60704	4.61	-0.51
1251	Ribonucleoprotein PTB-binding 1	Q8IY67	63837	8.79	-0.276
1252	Serine/arginine repetitive matrix protein 1	Q8IYB3	102274	11.84	-1.659
1253	Fanconi anemia group M protein	Q8IYD8	232045	5.76	-0.584
1254	Dyslexia-associated protein KIAA0319-like protein	Q8IZA0	115586	5.71	-0.361
1255	Cell cycle and apoptosis regulator protein 2	Q8N163	102838	5.14	-0.52
1256	Homeobox protein SIX5	Q8N196	74516	4.93	-0.052
1257	Unconventional myosin-Ih	Q8N1T3	118962	9.19	-0.318
1258	Histone H2B type 3-B	Q8N257	13900	10.31	-0.759
1259	ADP-ribosylation factor GTPase-activating protein 2	Q8N6H7	56685	8.07	-0.616
1260	ADP-ribosylation factor GTPase-activating protein 1	Q8N6T3	44640	5.46	-0.805
1261	Protein enabled homolog	Q8N8S7	66470	6.51	-1.096
1262	Probable RNA-binding protein EIF1AD	Q8N9N8	19041	5.14	-0.964
1263	Plasminogen activator inhibitor 1 RNA-binding protein	Q8NC51	44938	8.66	-1.289
1264	ATP-binding cassette sub-family F member 1	Q8NE71	95866	6.4	-0.954
1265	AT-rich interactive domain-containing protein 1B	Q8NFD5	235974	6.26	-0.725
1266	60S acidic ribosomal protein P0-like	Q8NHW5	34343	5.41	0.001
1267	Proteasome subunit alpha type-7-like	Q8TAA3	28512	9.07	-0.241

1268	Golgin subfamily A member 5	Q8TBA6	82974	5.6	-0.863
1269	Nucleolar complex protein 3 homolog	Q8WTT2	92490	9.22	-0.535
1270	Zinc finger CCCH domain-containing protein 15	Q8WU90	48573	5.22	-1.056
1271	Peptidyl-prolyl cis-trans isomerase-like 4	Q8WUA2	57189	5.63	-1.013
1272	Programmed cell death 6-interacting protein	Q8WUM4	95963	6.13	-0.468
1273	Sec1 family domain-containing protein 1	Q8WVM8	72334	5.89	-0.294
1274	LIM domain only protein 7	Q8WWI1	192576	8.34	-0.904
1275	Ataxin-2-like protein	Q8WWM7	113304	8.7	-0.732
1276	Palladin	Q8WX93	150470	6.67	-0.629
1277	Paraspeckle component 1	Q8WXF1	58706	6.26	-0.87
1278	Dyslexia susceptibility 1 candidate gene 1 protein	Q8WXU2	48496	8.88	-0.694
1279	DnaJ homolog subfamily C member 9	Q8WXX5	29891	5.58	-0.884
1280	Immunity-related GTPase family Q protein	Q8WZA9	62678	4.81	0.014
1281	ATP-dependent RNA helicase DDX1	Q92499	82380	6.81	-0.396
1282	Histone H1x	Q92522	22474	10.76	-0.979
1283	T-complex protein 1 subunit zeta-2	Q92526	57785	6.85	0.019
1284	AP-3 complex subunit sigma-1	Q92572	21718	5.23	-0.01
1285	Heat shock protein 105 kDa	Q92598	96804	5.28	-0.572
1286	Minor histocompatibility protein HA-1	Q92619	124536	5.76	-0.542
1287	Acidic leucine-rich nuclear phosphoprotein 32 family member B	Q92688	28770	3.94	-1.164
1288	Geranylgeranyl transferase type-2 subunit alpha	Q92696	65030	5.46	-0.249
1289	Protein TFG	Q92734	43421	4.94	-0.847
1290	DNA repair protein RAD50	Q92878	153797	6.48	-0.915
1291	Rho guanine nucleotide exchange factor 1	Q92888	102371	5.47	-0.577
1292	SWI/SNF complex subunit SMARCC1	Q92922	122790	5.51	-0.814
1293	Far upstream element-binding protein 2	Q92945	73070	6.85	-0.772
1294	Transportin-1	Q92973	102289	4.83	-0.122
1295	Histone H2B type 1-H	Q93079	13884	10.31	-0.738
1296	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1	Q969G3	46621	4.85	-1.144
1297	Ribosome-releasing factor 2, mitochondrial	Q969S9	86546	6.08	-0.171
1298	Histone H2B type 1-A	Q96A08	14159	10.31	-0.587

1299	Far upstream element-binding protein 1	Q96AE4	67518	7.18	-0.744
1300	SH3 domain-containing kinase-binding protein 1	Q96B97	73082	6.24	-0.84
1301	Serine/threonine-protein kinase Sgk3	Q96BR1	57072	6.45	-0.391
1302	Aldose 1-epimerase	Q96C23	37742	6.18	-0.322
1303	Coiled-coil domain-containing protein 124	Q96CT7	25820	9.54	-1.263
1304	RNA binding motif protein, X-linked-like-1	Q96E39	42116	9.9	-1.291
1305	DAZ-associated protein 1	Q96EP5	43356	8.73	-0.755
1306	Small glutamine-rich tetratricopeptide repeat-containing protein beta	Q96EQ0	33408	4.8	-0.392
1307	Pyridoxal phosphate phosphatase	Q96GD0	31678	6.12	-0.058
1308	DCN1-like protein 1	Q96GG9	30105	5.18	-0.512
1309	Receptor expression-enhancing protein 6	Q96HR9	20720	8.74	0.208
1310	CDK5 regulatory subunit-associated protein 3	Q96JB5	56885	4.68	-0.298
1311	Deubiquitinating protein VCIP135	Q96JH7	134236	6.77	-0.467
1312	Zinc finger protein 462	Q96JM2	284506	7.53	-0.744
1313	Transcription factor BTF3 homolog 4	Q96K17	17260	5.95	-0.616
1314	Cytosolic non-specific dipeptidase	Q96KP4	52845	5.66	-0.276
1315	YTH domain-containing protein 1	Q96MU7	84649	5.87	-1.519
1316	Coiled-coil domain-containing protein 43	Q96MW1	25233	4.84	-0.892
1317	PWWP domain-containing protein 2A	Q96N64	81910	9.09	-0.781
1318	AP-1 complex subunit sigma-3	Q96PC3	18269	6.32	-0.133
1319	Vacuolar protein sorting-associated protein 35	Q96QK1	91649	5.32	-0.306
1320	Transcriptional activator protein Pur-beta	Q96QR8	33220	5.35	-0.667
1321	Spermatid perinuclear RNA-binding protein	Q96SI9	73606	8.91	-0.429
1322	Proteasome subunit beta type-7	Q99436	29946	7.57	-0.078
1323	Ethanolamine-phosphate cytidyltransferase	Q99447	43808	6.44	-0.523
1324	Cell division cycle 5-like protein	Q99459	92194	8.22	-0.96
1325	Protein DJ-1	Q99497	19878	6.33	0.005
1326	Synaptic vesicle membrane protein VAT-1 homolog	Q99536	41893	5.88	-0.038
1327	Protein SCAF11	Q99590	164551	8.69	-1.106
1328	Translin-associated protein X	Q99598	33092	6.1	-0.558
1329	Eukaryotic translation initiation factor 3 subunit C	Q99613	105278	5.48	-0.793
1330	Nucleosome assembly protein 1-like 4	Q99733	42797	4.6	-0.781

1331	T-complex protein 1 subunit eta	Q99832	59329	7.55	-0.098
1332	AT-rich interactive domain-containing protein 3A	Q99856	62850	4.84	-0.652
1333	Zinc phosphodiesterase ELAC protein 2	Q9BQ52	92160	8.13	-0.316
1334	Receptor-transporting protein 3	Q9BQQ7	27013	8.97	-0.184
1335	Thioredoxin domain-containing protein 17	Q9BRA2	13932	5.4	-0.426
1336	Extended synaptotagmin-1	Q9BSJ8	122780	5.57	-0.266
1337	Acidic leucine-rich nuclear phosphoprotein 32 family member E	Q9BTT0	30674	3.77	-1.176
1338	Heterogeneous nuclear ribonucleoprotein U-like protein 1	Q9BUJ2	95679	6.49	-1.075
1339	Oxidoreductase HTATIP2	Q9BUP3	27032	8.58	-0.337
1340	Methylthioribose-1-phosphate isomerase	Q9BV20	39125	5.89	0.09
1341	Kanadaptin	Q9BWU0	88759	5.11	-0.951
1342	Serrate RNA effector molecule homolog	Q9BXP5	100604	5.7	-1.13
1343	Nucleolar and spindle-associated protein 1	Q9BXS6	49422	9.92	-1.107
1344	Eukaryotic translation initiation factor 2A	Q9BY44	64949	9	-0.461
1345	182 kDa tankyrase-1-binding protein	Q9C0C2	181685	4.77	-0.803
1346	pre-mRNA 3' end processing protein WDR33	Q9C0J8	145799	9.24	-1.093
1347	Microtubule-associated proteins 1A/1B light chain 3B	Q9GZQ8	14679	8.89	-0.418
1348	Egl nine homolog 1	Q9GZT9	45992	8.83	-0.657
1349	5'-3' exoribonuclease 2	Q9H0D6	108513	7.26	-0.651
1350	Histone deacetylase complex subunit SAP130	Q9H0E3	110255	9.83	-0.305
1351	Nuclear speckle splicing regulatory protein 1	Q9H0G5	66350	8.9	-1.807
1352	Protein FAM49A	Q9H0Q0	37289	5.71	-0.342
1353	Gamma-aminobutyric acid receptor-associated protein-like 1	Q9H0R8	14035	8.67	-0.794
1354	Ester hydrolase C11orf54	Q9H0W9	35095	6.23	-0.225
1355	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1	Q9H1E3	27280	5	-1.921
1356	STE20-like serine/threonine-protein kinase	Q9H2G2	142607	5.08	-0.99
1357	Negative elongation factor A	Q9H3P2	57241	9.1	-0.416
1358	Tyrosine-protein phosphatase non-receptor type 23	Q9H3S7	178861	6.45	-0.429
1359	Charged multivesicular body protein 4b	Q9H444	24935	4.76	-0.812
1360	Serine/threonine-protein kinase WNK1	Q9H4A3	250640	5.94	-0.394
1361	Epidermal growth factor receptor kinase substrate 8-like protein 2	Q9H6S3	80570	6.39	-0.631
1362	WD repeat-containing protein 55	Q9H6Y2	42044	4.78	-0.449

1363	Ran-binding protein 3	Q9H6Z4	60173	4.7	-0.75
1364	SH2 domain-containing protein 4A	Q9H788	52694	8.09	-0.909
1365	Mth938 domain-containing protein	Q9H7C9	13324	8.59	-0.396
1366	Ketosamine-3-kinase	Q9HA64	34390	6.84	-0.313
1367	Phosphopantothenate--cysteine ligase	Q9HAB8	33984	6.25	0.047
1368	Transcription factor COE2	Q9HAK2	62610	9.21	-0.351
1369	Pleckstrin homology domain-containing family A member 5	Q9HAU0	127385	7.21	-0.91
1370	Echinoderm microtubule-associated protein-like 4	Q9HC35	108848	5.96	-0.538
1371	Steroid receptor RNA activator 1	Q9HD15	25657	6.54	-0.631
1372	ADP-ribosylation factor GTPase-activating protein 3	Q9NP61	56893	7.04	-0.683
1373	Vacuolar protein sorting-associated protein VTA1 homolog	Q9NP79	33858	5.87	-0.52
1374	Reticulon-4	Q9NQC3	129851	4.43	-0.414
1375	Actin-binding protein anillin	Q9NQW6	124122	8.38	-0.676
1376	Acetyl-coenzyme A synthetase, cytoplasmic	Q9NR19	78529	6.02	-0.277
1377	CTP synthase 2	Q9NRF8	65636	6.45	-0.187
1378	Heme-binding protein 1	Q9NRV9	21084	5.71	-0.481
1379	14 kDa phosphohistidine phosphatase	Q9NRX4	13824	5.65	-0.465
1380	Phenylalanine--tRNA ligase beta subunit	Q9NSD9	66074	6.4	-0.119
1381	Sister chromatid cohesion protein PDS5 homolog B	Q9NTI5	164563	8.67	-0.569
1382	Ankyrin repeat and EF-hand domain-containing protein 1	Q9NU02	86610	8.51	-0.389
1383	Protein FAM49B	Q9NUQ9	36725	5.76	-0.382
1384	UPF0587 protein C1orf123	Q9NWV4	18037	4.93	-0.444
1385	Poly(ADP-ribose) glycohydrolase ARH3	Q9NX46	38922	4.95	-0.161
1386	CDKN2A-interacting protein	Q9NXV6	61088	9.13	-0.491
1387	Dipeptidyl peptidase 3	Q9NY33	82538	5.02	-0.319
1388	Formin-2	Q9NZ56	179993	5.32	-0.513
1389	Constitutive coactivator of PPAR-gamma-like protein 1	Q9NZB2	121811	9.07	-0.406
1390	Insulin-like growth factor 2 mRNA-binding protein 1	Q9NZI8	63441	9.26	-0.471
1391	Glioma tumor suppressor candidate region gene 2 protein	Q9NZM5	54356	10.32	-0.958
1392	Opioid growth factor receptor	Q9NZT2	73280	4.77	-1.081
1393	LIM and cysteine-rich domains protein 1	Q9NZU5	40806	8.27	-0.565
1394	Vesicle-associated membrane protein-associated protein A	Q9P0L0	27875	8.8	-0.468

1395	Uncharacterized protein KIAA1522	Q9P206	107030	9.75	-0.669
1396	Protein RCC2	Q9P258	56049	9.02	-0.42
1397	Ribosome-binding protein 1	Q9P2E9	152381	8.69	-1.071
1398	Cleavage and polyadenylation specificity factor subunit 2	Q9P2I0	88431	4.98	-0.392
1399	Leucine--tRNA ligase, cytoplasmic	Q9P2J5	134379	6.95	-0.403
1400	REST corepressor 3	Q9P2K3	55547	8.26	-0.87
1401	Cingulin	Q9P2M7	136304	5.46	-1.071
1402	Epidermal growth factor receptor substrate 15-like 1	Q9UBC2	94197	4.93	-0.645
1403	Glyoxylate reductase/hydroxypyruvate reductase	Q9UBQ7	35646	7.01	-0.015
1404	SUMO-activating enzyme subunit 2	Q9UBT2	71179	5.15	-0.444
1405	Tight junction protein ZO-2	Q9UDY2	133876	6.96	-0.948
1406	Testin	Q9UGI8	47964	7.96	-0.533
1407	Switch-associated protein 70	Q9UH65	68954	5.66	-0.869
1408	LIM domain and actin-binding protein 1	Q9UHB6	85173	6.41	-1.074
1409	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 1	Q9UHR4	56847	8.82	-0.59
1410	Poly(U)-binding-splicing factor PUF60	Q9UHX1	59838	5.19	-0.161
1411	Probable ATP-dependent RNA helicase DDX41	Q9UJV9	69793	6.4	-0.42
1412	ADP-ribosylation factor-binding protein GGA1	Q9UJY5	70340	5.18	-0.443
1413	Hematological and neurological expressed 1 protein	Q9UK76	16005	5.47	-0.81
1414	ADP-sugar pyrophosphatase	Q9UKK9	24312	4.87	-0.392
1415	RNA-binding protein Raly	Q9UKM9	32444	9.2	-0.644
1416	Protein kinase C and casein kinase substrate in neurons protein 3	Q9UKS6	48457	5.83	-0.971
1417	Apoptotic chromatin condensation inducer in the nucleus	Q9UKV3	151771	6.08	-1.345
1418	Protein CDV3 homolog	Q9UKY7	27318	6.06	-1.085
1419	Proteasome activator complex subunit 2	Q9UL46	27384	5.54	-0.355
1420	Aspartyl aminopeptidase	Q9ULA0	52395	7.03	-0.129
1421	E3 ubiquitin-protein ligase HECTD1	Q9ULT8	289203	5.21	-0.446
1422	Targeting protein for Xklp2	Q9ULW0	85600	9.29	-0.967
1423	Pre-mRNA-processing factor 19	Q9UMS4	55146	6.14	-0.167
1424	Ubiquilin-1	Q9UMX0	62479	5.02	-0.475
1425	Ras GTPase-activating protein-binding protein 2	Q9UN86	54088	5.41	-0.976
1426	Melanoma-associated antigen D2	Q9UNF1	64914	9.35	-0.535

1427	Syntaxin-8	Q9UNK0	26890	4.91	-0.471
1428	60S ribosomal protein L26-like 1	Q9UNX3	17246	10.55	-1.078
1429	NSFL1 cofactor p47	Q9UNZ2	40548	4.99	-0.612
1430	C-Jun-amino-terminal kinase-interacting protein 3	Q9UPT6	147365	5.26	-0.582
1431	Zinc finger CCCH domain-containing protein 4	Q9UPT8	140169	5.87	-1.174
1432	Serine/arginine repetitive matrix protein 2	Q9UQ35	299438	12.05	-1.358
1433	Proliferation-associated protein 2G4	Q9UQ80	43759	6.13	-0.498
1434	Charged multivesicular body protein 2b	Q9UQN3	23891	8.8	-0.685
1435	RuvB-like 2	Q9Y230	51125	5.49	-0.23
1436	RuvB-like 1	Q9Y265	50196	6.02	-0.251
1437	Nuclear migration protein nudC	Q9Y266	38219	5.27	-1.04
1438	Phenylalanine--tRNA ligase alpha subunit	Q9Y285	57528	7.31	-0.454
1439	Developmentally-regulated GTP-binding protein 1	Q9Y295	40517	9	-0.155
1440	Lysine-specific demethylase 2A	Q9Y2K7	132708	7.73	-0.574
1441	Guanine deaminase	Q9Y2T3	50971	5.44	-0.158
1442	Inner nuclear membrane protein Man1	Q9Y2U8	99935	7.32	-0.554
1443	WW domain-binding protein 11	Q9Y2W2	69954	8.28	-0.994
1444	PCTP-like protein	Q9Y365	33028	6.67	-0.522
1445	Peptidyl-prolyl cis-trans isomerase-like 1	Q9Y3C6	18225	7.78	-0.304
1446	Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	19446	6.9	-0.51
1447	Serine-threonine kinase receptor-associated protein	Q9Y3F4	38414	4.98	-0.316
1448	SH3 domain-binding protein 1	Q9Y3L3	75666	6.33	-0.443
1449	Nucleolar complex protein 2 homolog	Q9Y3T9	84866	5.46	-0.431
1450	Talin-1	Q9Y490	269599	5.77	-0.24
1451	Protein PRRC2C	Q9Y520	316718	9.17	-1.027
1452	FACT complex subunit SPT16	Q9Y5B9	119838	5.5	-0.67
1453	CD2-associated protein	Q9Y5K6	71407	6.07	-0.793
1454	RNA-binding protein 8A	Q9Y5S9	19877	5.5	-1.153
1455	Leucine-rich repeat flightless-interacting protein 2	Q9Y608	82121	6.5	-0.969
1456	Phosphoserine aminotransferase	Q9Y617	40397	7.56	0.019
1457	Coatomer subunit gamma-1	Q9Y678	97655	5.32	-0.145
1458	Transforming acidic coiled-coil-containing protein 3	Q9Y6A5	90304	4.97	-0.719

1459	Cytoplasmic dynein 1 light intermediate chain 1	Q9Y6G9	56544	6.01	-0.397
1460	SEC23-interacting protein	Q9Y6Y8	111007	5.35	-0.415
Unkown					
1461	Probable E3 ubiquitin-protein ligase MYCBP2	O75592	509759	6.63	-0.359
1462	Apolipoprotein B-100	P04114	515283	6.58	-0.296
1463	Epiplakin	P58107	555279	5.44	-0.266
1464	Basement membrane-specific heparan sulfate proteoglycan core protein	P98160	468532	6.06	-0.294
1465	Prolow-density lipoprotein receptor-related protein 1	Q07954	504276	5.16	-0.511
1466	Neuroblast differentiation-associated protein AHNAK	Q09666	628699	5.8	-0.499
1467	Cytoplasmic dynein 1 heavy chain 1	Q14204	532072	6.01	-0.341
1468	Protocadherin Fat 1	Q14517	505958	4.85	-0.296
1469	Plectin	Q15149	531466	5.74	-0.665
1470	E3 ubiquitin-protein ligase UBR4	Q5T4S7	573476	5.7	-0.2
1471	Vacuolar protein sorting-associated protein 13B	Q7Z7G8	448378	6.03	-0.159
1472	Fibrocystin-L	Q86WI1	465439	5.71	-0.101
1473	Midasin	Q9NU22	632420	5.46	-0.371